# ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECT IN PENINSULAR, MALAYSIA

NOR ZURAIHA BINTI MOHD ZAKI

# B. ENG (HONS.) CIVIL ENGINEERING

UNIVERSITI MALAYSIA PAHANG

# UNIVERSITI MALAYSIA PAHANG

DECLARATION OF THESIS AND COPYRIGHT			
Author's Full Name	: <u>NOR ZURAIHA BINTI MOHD ZAKI</u>		
Date of Birth	: <u>23 JULY 1996</u>		
Title	: ANALYSIS ON LAW ISSUES TOWARD ABANDONED		
I	BUILDING HOUSING AND PROJECT IN PENINSULAR,		
	MALAYSIA.		
Academic Session	: <u>2018/2019</u>		
I declare that this thesi	s is classified as:		
CONFIDENTI	AL (Contains confidential information under the Official Secret Act 1997)*		
□ RESTRICTED (Contains restricted information as specified by the organization where research was done)*			
☑ OPEN ACCES			
I acknowledge that Un	iversiti Malaysia Pahang reserves the following rights:		
<ol> <li>The Thesis is the Property of Universiti Malaysia Pahang</li> <li>The Library of Universiti Malaysia Pahang has the right to make copies of the thesis for the purpose of research only.</li> <li>The Library has the right to make copies of the thesis for academic exchange.</li> </ol>			
Certified by:			
(Student's Sign	ature) (Supervisor's Signature)		

960723115310 Date: 31/05/2019 DR. NUR FARHAYU BINTI ARIFFIN Date: 31/05/2019



# **STUDENT'S DECLARATION**

I hereby declare that the work in this thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at Universiti Malaysia Pahang or any other institutions.

(Student's Signature) Full Name : NOR ZURAIHA BINTI MOHD ZAKI ID Number : AA15138 Date : 31/05/2019

# ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECT IN PENINSULAR, MALAYSIA

# NOR ZURAIHA BINTI MOHD ZAKI

Thesis submitted in partial fulfillment of the requirements for the award of the B. Eng (Hons.) Civil Engineering

Faculty of Civil Engineering & Earth Resources
UNIVERSITI MALAYSIA PAHANG

MAY 2019

#### ACKNOWLEDGEMENTS

Foremost, I want to offer this endeavour to ALLAH S.W.T for the wisdom he bestowed upon me, the strength, peace of mind and good health in order to complete this research.

I would like to express my gratitude to my supervisor, Dr. Nur Farhayu binti Ariffin who always supervise me to do this research and writing until complete. Thank you for your guidance and constant supervision as well as providing necessary information for my research.

I warmly thank my beloved parents for always supporting me and believing me during my education in this university. Their advices always accompany me while finishing this research. I would also like to recognize my fellow undergraduates here for their support and also motivation. Their views and tips are useful indeed. I am really grateful to who had helped me a lot.

#### ABSTRAK

Projek bangunan terbengkalai menjadi masalah serius di Malaysia kerana peningkatan kes setiap tahun. Ramai pihak awam kurang kesedaran mengenai masalah projek bangunan yang terbengkalai melainkan kerajaan kita untuk berusaha menyedarkan orang ramai sama ada yang terlibat dalam projek bangunan yang terbengkalai atau tidak. Selain itu, kerajaan juga sudah mempunyai undang-undang yang tersendiri berkaitan sektor perumahan tetapi masalah rumah terbengkalai itu masih berlaku. Tujuan kajian ini adalah untuk menganalisis isu undang-undang terhadap projek bangunan terbengkalai dan kesan yang berlaku disebabkan oleh projek bangunan terbengkalai di Semenanjung, Malaysia. Kaji selidik dalam kajian ini untuk mengenalpasti masalah undang-undang terhadap projek bangunan yang terbengkalai. Kaedah yang digunakan dalam kajian ini ialah dengan mengumpulkan data daripada hasil pengagihan borang kaji selidik dan temuramah dengan 5 orang yang terlibat dalam industri pembinaan. Sebanyak 53 responden telah dikumpulkan yang mewakili pihak pemaju, kontraktor, perunding, kerajaan dan pihak-pihak lain yang terlibat secara langsung atau tidak langsung dalam pembinaan. Hasil daripada penyebaran borang kaji selidik tersebut, sebab berlakunya bangunan terbengkalai di Semananjung Malaysia terhadap undang-undang yang ditetapkan ialah berdasarkan Akta oleh kerajaan adalah Seksyen 3 dalam Peraturan Pembangunan Perumahan (Kawalan dan Pelesenan) 1989 dan klausa 69 dalam Borang P.W.D 203A (Rev 1/2010). Projek bangunan terbengkalai boleh memberi kesan yang buruk kepada negara kerana mempunyai kekurangan dalam tindakan undang-undang terhadap projek bangunan terbengkalai. Kajian ini dapat membantu pihak-pihak dalam industri pembinaan untuk mendapatkan pemahaman yang lebih baik mengenai masalah projek semasa peringkat pembinaan.

#### ABSTRACT

The abandoned building projects became seriousness problem in Malaysia because this problem became increase over the year. Therefore, lack of awareness of the distressing problem of abandoned unless our government to enlighten the public either involved in the project was abandoned or not. Moreover, the government also already has their own legal about housing sector but that problem still happens. The purpose of this study is to analysis on law issues toward abandoned building project and the impact that caused by abandoned building project in Peninsular, Malaysia. The literature review in this study is to identified the law issues toward abandoned building project. The method used in this study to collect the data is distributing the questionnaire survey and interviews with five (5) person that involve in construction industry. A total of 53 respondents was collected are representing developers, contractors, consultants, government and other that are related in construction industry. From the respondent's point of view, the causes toward abandoned building due to Act is based on Act by government is Section 3 in Housing Development (Control and Licensing) Regulation 1989 and clause 69 in P.W.D Form 203A (Rev. 1/2010). The abandoned building project can give impact to the country because of Malaysia have a lack of legal action to abandoned building project. The finding could help the practitioners in construction industry to gain better understanding about the problems time of projects during construction stage.

# TABLE OF CONTENT

DEC	CLARATION	
TITI	LE PAGE	
ACK	NOWLEDGEMENTS	ii
ABS	TRAK	iii
ABS	TRACT	iv
TAB	BLE OF CONTENT	v
LIST	Γ OF TABLES	viii
LIST	r of figures	ix
LIST	Γ OF SYMBOLS	xi
LIST	Γ OF ABBREVIATIONS	xii
СНА	APTER 1 INTRODUCTION	1
1.1	Background of Study	1
1.2	Problem Statement	3
1.3	Objective	3
1.4	Scope of Research	3
1.5	Signification of Study	4
СНА	APTER 2 LITERATURE REVIEW	5
2.1	Background of abandoned building project	5
2.2	Parties that involved in abandoned building project	6
	2.2.1 Developer	7
	2.2.2 Government Body	8

	2.2.3 Contractor	9
	2.2.4 Consultant	9
2.3	Causes of Abandoned Building Project	9
2.4	Impacts that caused by Abandoned Building Project	10
	2.4.1 Personal and Company Impact	10
	2.4.2 Social and Economic Impact	11
	2.4.3 Environment Impact	12
	2.4.4 Country Impact	13
2.5	Law Issues toward Abandoned Building Projects in Peninsular	13
2.6	Summary	15
CHA	PTER 3 METHODOLOGY	16
3.1	Introduction	16
3.2	Literature Review	16
3.3	Questionnaire Survey	16
	3.3.1 Questionnaires Structures	17
	3.3.2 Data Analysis	18
3.4	Research Methodology Flow Chart	19
		•
CHA	PTER 4 RESULTS AND DISCUSSION	20
4.1	Introduction	20
4.2	Data Collection	20
4.3	Section A: Background of respondent	20
	4.3.1 Response Occupation	23
4.4	Section B: Responses about Knowledge of Abandoned Building	24
4.5	Section C: Impacts caused by abandoned building project in Malaysia	25

4.6	Section D: Law issues toward abandoned building		27
4.7	Section E: Solution of the abandoned building project		34
4.8	Sumn	nary	35
CHA	PTER S	5 CONCLUSION	36
5.1	Introd	uction	36
5.2	Concl	usions	36
	5.2.1	Objective 1: To analyze issues of Malaysia's Act toward abandoned building project	36
	5.2.2	Objective 2: To investigate cause and factor contribute to the abandoned building based on Act by government	37
	5.2.3	Objective 3: To identify the suitable solution for the abandoned building project.	37
5.3	Recor	nmendations	37
REFF	ERENC	ES	39
APPE	ENDIX	A SAMPLE APPENDIX 1	42
APPE	NDIX	B SAMPLE APPENDIX 2	53

# LIST OF TABLES

Table 1.1	Housing Project Statistic Peninsular Malaysia between each state	2
Table 2.1	Blacklist Company that causes abandoned building	6
Table 2.2	Literature Review	15
Table 3.1	Five ordinal measure of agreement of Likert's Scale	17

# LIST OF FIGURES

Figure 2.1	Project Mahkota Triangle at Indera Mahkota, Kuantan	8
Figure 2.2	Drug addicts in abandoned building at Bukit Rimau Indah, Section 32, Shah Alam	on 12
Figure 3.1	Flow Chart	19
Figure 4.1	Gender of respondent	21
Figure 4.2	Age of respondent	21
Figure 4.3	Location of the respondent	22
Figure 4.4	Education Level of Respondent	23
Figure 4.5	Respondent's Occupation	23
Figure 4.6	Respondent's knowledge about abandoned building project	25
Figure 4.7	Impact caused by abandoned building project.	27
Figure 4.8	Analysis of law issues toward abandoned building project.	27
Figure 4.9	Analysis on there are some law applied to the abandoned building.	28
Figure 4.10	Analysis on the different and complicated Act policies in construction cause building abandonment	on 29
Figure 4.11	Analysis on the existing Act did not solve the current problem of abandoned building project	of 29
Figure 4.12	Analysis about Housing Development (Control and Licensing Regulation 1989, the application for a license in section 3 is easy t	<i>,</i>
	apply.	30
Figure 4.13	Analysis about the amended of Section 3 in Housing Developmen (Control and Licensing) Regulation 1989.	nt 30
Figure 4.14	The analysis of the clause 69 in P.W.D Form 203A (Rev. 1/2010 should be amended or not	0) 31
Figure 4.15	The analysis of the advance payment on the Contract amounting to 25% that developer need to pay to contractor regarding P.W.D Form	
	203A (Rev. 1/2010)	31

Figure 4.16	gure 4.16 The analysis about the net total of payment that need to p		
	contractor shall be increased or decreased accordingly stated in cla	ause	
	30 of P.W.D Form 203A (Rev. 1/2010)	32	
Figure 4.17	Rank between question section D regarding Relative Importa	ance	
	Index	33	
Figure 4.18	The analysis of solution for the abandoned building project	34	

# LIST OF SYMBOLS

MHLG	Ministry of Housing and Local Government
КРКТ	Kementerian Perumahan dan Kerajaan Tempatan
UBBL	Uniform Building By Laws
RII	Relative Importance Indec
JPN	Jabatan Perumahan Negara

# LIST OF ABBREVIATIONS

etc other similar things

No. Number

### **CHAPTER 1**

#### **INTRODUCTION**

#### 1.1 Background of Study

Nowadays, the construction industry plays an important role in generating the economy of a developing country such a Malaysia (Look and Policy, 2016). Housing is the construction and assigned usage of houses or buildings collectively for the purpose of sheltering people. Since the population in Malaysia are growth, the demand for having a house is getting increasing. Because of that situation, the authorities provide a lot of tender to build a housing lot in Malaysia. However, not all the construction project is completed at the designed time. There are not impossible for construction projects to be delayed or became abandoned building due to various causes.

The issues of the abandoned building were not new issues in Malaysia. Based on Ministry of Housing and Local Government (MHLG), an abandoned project is defined as uncomplete project or a project that has been delay in several days. Abandoned building projects also projects that are left without care in abandoned constructions sites either temporarily or permanently for a long period of time (Nagamany, 2016). The causes of abandoned housing projects are related to develop of housing project such as business termination or bankruptcy, misuse of deposits, conflicts and feuds among stakeholders and non-conformance with construction specification (Khalid M.S., 2010). The abandonment of project happen because of the contractor fails to complete the work because not have enough time or failing to resume work in a reasonable amount of time.

The abandoned housing building project has been suffering by Malaysian housing sector since early 1980s up to date (Abdul-Rahman, Alashwal and Abdullah, 2017). In 2018, there were 66 abandoned housing projects in peninsular Malaysia (excluding Sabah and Sarawak) that comprising 13,581 housing units and 8,523 buyers (KPKT, 2018a).

State	No. of project	No. of house units	No. of buyers
Johor	44	8,839	5,807
Kedah	14	2,097	1,228
Kelantan	19	1,961	1,662
Melaka	8	1,503	1,072
Negeri Sembilan	25	4,340	3,110
Pahang	17	3,458	2,549
Perak	18	2,327	1,407
Perlis	0	0	0
Pulau Pinang	14	6,660	3,715
Selangor	82	29,483	20,788
Terengganu	4	340	293
Kuala Lumpur	9	3,632	2,010
Total	254	64,640	43,686

Table 1.1Housing Project Statistic Peninsular Malaysia between each stateSource: (KPKT, 2018a)

Based on figure 1.1, there are many housing projects that have been built in Selangor and followed by Johor. Data from Jabatan Perumahan Negara (JPN) showed that the stated of Selangor and Johor were among the highest states experiencing abandoned housing projects compared to other states since 2009 (MUSTAFA, 2015) This is because Johor and Selangor are the most active states housing development. When there are many housing projects developing, the housing that does not have buyers can became abandoned housing projects. Hence, the number of abandoned projects is equal with the number of housing development in the area (MUSTAFA, 2015).

Besides that, abandoned housing project and abandoned housing is different. For an abandoned housing project, the project is partially complete which mean the project is not fully complete but already stopped. And for an abandoned housing, the construction was fully completed but that house does not occupy by people. In conclusion, both of this problem also left over the building structure exist and there have a lack of maintenance whether is fully being constructed or partially constructed. Because of the abandoned housing project, they bought a lot of issues toward public such as social issues which the drug person gather in the entire abandoned place and it will give negative impact to our country. Therefore, there is need to determine what the factor of abandoned housing project and how to purpose the suitable solution to overcome abandoned housing building project since this problem became worst time to time.

#### 1.2 **Problem Statement**

The abandoned project is the project that officially stopped where no more work is carrying on the entire project. Main reason that because abandoned housing appears, when the development they conduct is not suit to the market need such as wrong location, limited in choices for choosing and so on. This problem has happened until now and it getting bigger issues. Moreover, the government also already has their own legal about housing sector but that problem still happens. Therefore, the questionnaire survey will be used to access several of the opinion about the abandoned housing.

#### 1.3 **Objective**

The purpose of this research is to look into the law issues toward abandoned building housing project in Malaysia. This goal will be achieved through the following objective:

- 1. To analyse issues of Malaysia's Act towards abandoned building housing and project.
- To investigate the cause and factor contribute to the abandoned building based on Act by government.
- To propose the suitable solutions to overcome abandoned housing building project.

## 1.4 Scope of Research

The survey has focused on peninsular Malaysia exclude Sabah and Sarawak. This study applied the literature review on the law issues that lead abandoned housing building project. While, the questionnaires survey is applied to investigate the cause and factor contribute to the abandoned building based on Act by government. This study on abandoned housing building project by any sector that participate in housing project activity because there are few sources or producing the housing unit in Malaysia. These include contractor, developer, consultant, government and others. Others means people that involved in construction industry such as plumber, electrical construction and etc.

## 1.5 **Signification of Study**

Main objective of this study was to investigate the cause and factor that contribute to the abandoned building based on Act by government. In addition, it also conducted detailed evaluation of the abandoned building housing and project regarding law issues in Peninsular, Malaysia. Therefore, the result of this study will help the government to make and implement policies that will reduce the rate of abandoned housing in Peninsular, Malaysia. This research also to provide the detailed analysis on the causes of abandoned building housing and project. So, to achieve the objective, the questionnaires will have distributed to collect the respondent's opinion regarding this research.

## **CHAPTER 2**

#### LITERATURE REVIEW

#### 2.1 Background of abandoned building project

The construction industry in Malaysia has been tarnished the problem of abandoned building projects (Yap and Tan, 2018). Abandoned building projects are projects that are left without care in abandoned constructions sites either temporarily or permanently for a long period of time. The abandoned building projects became seriousness problem in Malaysia because this problem became increase over the year. Therefore, lack of awareness of the distressing problem of abandoned unleash our government to enlighten the public either involved in the project was abandoned or not. There are about 187 company has been blacklisted that shown from table 2.1 from Kementerian Perumahan dan Kerajaan Tempatan (KPKT) 2018 because of abandoned building project. From that, it was proof that developer is the one causes of abandoned building project happen in Peninsular, Malaysia.

No.	Developer	Project	Date abandoned
1	AGA Development Sdn	Gombak Perdana Villa,	31.12.2003
	Bhd	Selangor	
2	Akrab Properties Sdn	Kariah Sri Akrab, Juaseh,	31.12.2003
	Bhd	Kuala Pilah, Negeri Sembilan	
3	Antara Vista Sdn Bhd	Vista Damansara (RPKS)	31.12.2005
4	Arah Cipta Sdn Bhd	Cahaya Kota Puteri F.2C, F.	13.4.2007
		2D, F. 2E, F. 2G, F. 2H, F.	
		4C, F. 4D, Plentong Johor	
5	Aras Dimensi Sdn Bhd	Taman Desa Utama dan	1.12.2016
		Taman Desa Rahimah,	
		Sepang, Selangor	
6	Arch Realty Sdn Bhd	Taman Emas Surya, Batu	31.12.1999
		Pahat, Johor	

There are few lists regarding the company who has blacklist:

7	Aset Nusantara	Taman Bayu Tebrau,	16.3.2012
	Development Sdn Bhd	Plentong, Johor	
8	Asian Lion Enterprise	Taman Tapah Permai, Tapah,	18.2.2013
	Sdn Bhd	Perak	
9	Astana Land Sdn Bhd	Casa Melati, Gombak,	28.9.2018
		Selangor	
10	Austral Development	Taman Metro Puchong,	18.2.2013
	Sdn Bhd	Selangor	
	(Mexaland Sdn Bhd)		
11	Bactra Properties Sdn	Taman Desa Surda, Kajang,	31.12.2000
	Bhd	Selangor	
12	Bahagia Indah Properties	Taman Bahagia Indah,	1.12.2016
	Sdn Bhd	Kajang, Selangor	
13	Bandar Murni Sdn Bhd	Taman Salak Maju, Sepang,	18.9.2013
		Selangor	
14	Barisan Julang Sdn Bhd	Taman Sentosa, Baling,	9.1.2013
		Kedah	
15	Barisan Tenaga	Selayang Springs, Gombak,	22.4.2014
	Perancang Sdn Bhd	Selangor	
16	Batu Gajah Development	Taman Gading, Sungai Terap,	31.12.2004
	Sdn Bhd	Daerah Kinta, Perak	
17	Bench Win Sdn Bhd	Sri Dahlia, Timur Laut, Pulau	31.12.2003
		Pinang	
18	Bersatu Maju Properties	Taman Crystal, Port Dickson,	31.12.2003
	Sdn Bhd	Negeri Sembilan	
19	Binanusa Sdn Bhd	Taman Desa Aman, Timur	31.12.2005
		Laut, Pulau Pinang	
20	BSC Development Sdn	Perkampungan Bukit	28.9.2018
	Bhd	Setongkol Perdana, Pahang	

Table 2.1Blacklist Company that causes abandoned building<br/>Source: (KPKT, 2018b)

The definition of abandoned housing project should have been legally provided for and statutorily interpreted. It is suggested that the administrative definitions given by the Division of Supervision and Enforcement, MHLG may be used as the statutory and legal definition of abandoned housing projects. In addition, statutory provision especially the Housing Development (Control and Licensing) Act 1966 and its Regulations made thereunder (Act 118), if it were to be passed, must define the stage or point in time when abandonment is said to occur.

# 2.2 **Parties that involved in abandoned building project**

Many projects fail and become abandoned because of the unforeseen factor which effect upon the initial calculation of the development. Tan A.L (2008) stated that it is an

indisputable fact that at home turf, project failures thus adversely affects our nation's economic health. Many projects become an abandoned building because of the unforeseen factor. When there are many abandoned building projects happen, it might affect our nation's economic (Hadi, A.N.A., Salleh, N.H., and Mei, T.G., 2015). There is several of the factor for each types of project and which usually happens is due to project management in term of the time, cost and quality of the project.

#### 2.2.1 Developer

Abandoned building project mostly happen because of developers. The problem that come from developers might cause the project became abandoned building project. The common mistake made by developer is fail to secure the targeted demand to break even due to unsuitable pricing of the product and the lack of feasibility study in choosing the site for development, the type of development and precise in supply and demand. Based on New Straits Times, one which will see light at the end of the tunnel is the Highland Towers site in Ampang that had been abandoned since the 1993 landslide tragedy (Kaur, 2011). Highland Towers is located on a premium land in a high-income location in Taman Hillview, Ulu Klang. On 11 December 1993, a landslide was occurred at the area after 10 days of rainfall. The hill was cleared of trees and other land-covering plants, exposing the soil to land erosion that is the leading factor of causing landslides (Nalley, 1993). Due to the accidents, one of the three apartment blocks were collapsed and claimed 48 lives. Based on the incident, it happened because of the developers failed to ensure that the place was truly appropriate for developing the development.

Developers also have lack of a feasibility study to gauge its economic and technical viability for the very onset (Hadi, A.N.A., Salleh, N.H., and Mei, T.G., 2015). Developer usually stuck in a project due to poor cash flow because that developer rush into a development without comprehensive market study. This is because developer may come from poor planning and researches about the project. Before develop the development, developer need to choose a strategic location and make sure that it will influence the interested for the client to buy the product. Developer also need to do a research about living standards in the area before develop the development. For example, the project at Indera Mahkota, Kuantan which is Mahkota Triangle did not get a response from buyers because the price that offered by developer is very expensive and the residents could not afford to buy the product.



Figure 2.1 Project Mahkota Triangle at Indera Mahkota, Kuantan

# 2.2.2 Government Body

The government should prevent the issue of abandoned building project from being grow up. All law has been written but the issue remains happen. The negligence of the government makes this problem unfinished until today. As can see, according to Housing Development (Licensing and Control) Act 1966 (Act 118) and its regulations, it stated that only RM 200,000 as a deposit for the housing development (*Housing Development* (*Control & amp; Licensing*) *Act*, no date). The deposit is considered minor and little for recovery if they were an abandoned housing project. The prescribed law is explicitly ignored by the developer without any penalties imposed and the legal action taken by the authorities against them.

According to Sufian.A and Rahman.R (2008) the Street, Drainage and Building Act 1976 and the UBBL, it stated that the authorities do not impose any special obligation on local authorities to inspect the construction work done by the contractor (Azlinor Sufian and Rozanah AB. Rahman, 2008). The authorities will inspect the construction if there any complaint about the construction. Because of abandoned building project are getting increase, the authorities should always aware and inspect the construction area and keep in touch with the contractor or developer about the progress of the project. In addition, local authorities should investigate the purpose of the project because of many abandoned buildings was happen.

#### 2.2.3 Contractor

Contractor failure also one of reason the abandoned building project exists. According to New Straits Time (2017), the developer said to the buyers from housing project at Serendah that the project delay because of the contractor's licence is dead. Because of the careless contractor affects the building became abandoned building. Moreover, to find the new contractor to continue the project is difficult. Therefore, many contractors in Malaysia have a lack of experience and management. Mostly they do not know exactly how to manage the project and it causes the occurrence of the project cannot be completed within the specified time and make project delay. The contractor also forced to stop midway through the project when facing financial problem.

#### 2.2.4 Consultant

Consultant is one of the major persons who that responsible for the successful of the construction project. If the consultant has lack of experience and knowledge, it can lead to abandonment of the project. Some of the consultant lack of experience on the part of the consultant's site staff such as managerial and supervisory personnel (Alaghbari *et al.*, 2007). The professional consultant can manage to avoid some problems that can lead the project became unsuccessful in the future and how to prevent it.

## 2.3 Causes of Abandoned Building Project

There are several building projects which has been seen to be having good potentials are abandoned at different stages of the design and construction process. The abandonment of a project gives an adverse effect on parties such as developer, contractor, consultant and client (Doraisamy, Akasah and Yunus, no date). Therefore, the abandoned building project in Peninsular, Malaysia rooted from many factors such as mismanagement, financial problem, unfavourable economic conditions and unfavourable government policies.

Mismanagement is one of causes the abandoned building project in Peninsular. Mismanagement may happen due to the lack of experience of the developer (Ibrahim, 2006). The developer has a lack of feasibility studies which particularly inaccurate market research. Because of that, in an inaccurate forecast of demand and supply for certain types of properties as well as an unsuitable project scheme to be undertaken for the prevailing market (Yap, 2013). If the sales percentage is less than 80%, the developer will face problems in obtaining bridging loans from financial institutions to continue with a project (Khalid M.S., 2010). Mismanagement also happen because of fraud which means non-payments or arbitrarily reduced payments of progress billings which can result in cash flow problem of contractor, subcontractors and suppliers and eventually late delivery or abandonment of projects.

Increases in project costs may be due to mismanagement and the lack of proper feasibility study hence lead to the financial problem. Financial problem are the main factor in causing abandoned building project because the contractor not have a strong finance and at the same time not wanting to bear high debt burdens to continue their operations (Bernama, 2017). A well-managed cash flow is important in a regular basis to identify cash flow problem is to enable delivery successful (Hamzah *et al.*, 2011). Without well-managed cash flow will lead to project became abandoned building projects. In addition, the economic crisis also one of the causes of abandoned building project. The unfavourable economic conditions such as the rise of the prices of raw material such as steel and cement, higher interest charge that discourages potential home buyers to buy residential properties and reduces the profitability of a project and competition of new projects that affects the sales and hence the cash flow of a project.

## 2.4 Impacts that caused by Abandoned Building Project

The impacts of the abandoned building projects are referring to the negative effects or problems occur while a development project is becoming as abandoned building. There are varies in many aspects of impacts which is personal and company impacts, social and economic impacts, environment impacts and country impacts. The abandoned building will affect in many thing, so that we need to make sure the abandoned building can be reduced.

#### 2.4.1 Personal and Company Impact

The first impacts cause by abandoned building is personal and company impact. The personal here referred to the individual party who that influenced by the abandoned building project. The house buyers having monetary loss where there are a monthly repayments and deal with financial institution for the entire abandoned building project (Hadi, A.N.A., Salleh, N.H., and Mei, T.G., 2015). Buyers also might lead to the bankruptcy because the house buyers are not capable for repayment loan. Due to the bankruptcy, the image of personal was no longer acceptable to applying loan from any financial institutions and might be blacklist from getting loan.

For company might give a big impact to the company because once their company name is list in abandoned building project, the company will be blacklisted by the government in applying other development. The company image toward public might be more affected because while there is abandoned building mean that the company are not work diligent until failure or delay in delivery their products. The company will be bankruptcy due to unable to pay debt left behind by abandoned building and also the company will suffer losses because the people who wish to purchase a house will not be purchase from them due the disappointing to the company.

#### 2.4.2 Social and Economic Impact

Other than personal and company impacts, the social life of public also being affected where the abandoned building become the place for illegal gambling, illegal sexual activity, drug addict, gangster activity and homelessness encampment. Based on The Star (2017), there have an abandoned building in 15 years at Bukit Rimau Indah, Section 32, Shah Alam. The residents around that area claimed the abandoned building had also become a den of drug addicts (The Star, 2017). Due to this situation, it will influence the neighbourhood security because will be an increasing of chances in stealing cases by the drug addicts.



Figure 2.2 Drug addicts in abandoned building at Bukit Rimau Indah, Section 32, Shah Alam

Source: The Star, 2017

Therefore, the unemployment rate is increasing and causes the economic quality of life decrease upon people loss their job. In addition, while the project became abandoned building project there will be left behind uncompleted or unfurnished building structure and cause negative values, pleasures and contribution toward the public become eyesore to the vicinity.

### 2.4.3 Environment Impact

The abandoned building also gives environment impact to the surrounding. It is because when the building being abandoned, there are no more maintenance for the project. The project will have left in the bush and it promote the habitat for the dangerous animals such as reptiles like snake and rat, mammals like lion and insect like flies and mosquito. Those dangerous animals might be threatened to the public surrounding abandoned building area. It might lead to people died and the public healthy in poor situation.

#### 2.4.4 Country Impact

Based on all the impact cause by abandoned building project that stated above, it may destroy the image of our country because of poor management skill of our country lead a lot of abandoned building project. Malaysia is one of the countries that attract tourists and the environment impact which may cause loss on the tourism sector. When there are many abandoned building projects in Malaysia, it affects our nation's economic (Malaysia, 2004). In addition, the overall market value collapse due to the abandoned building project will lead to the country economic collapse as well because there are too much unemployment cases in our country.

#### 2.5 Law Issues toward Abandoned Building Projects in Peninsular

When it is come with construction project, many parties usually involve with construction project which is developer, contractor, supplier and buyers. Once the project identified as an abandoned building project, all the parties will be affected by it. There are a several of reason that why a project becomes abandoned building project such as inexperienced developer, poor marketing and sales strategies, financial problems, challenging economic conditions, disputes between shareholders, mismanagement of the company and business affairs and lack of enforcement and monitoring by the authorities (New Straits Times, 2018).

There are several of law are made to ensure no deviations or to avoid the issues of abandoned building project. But, the issues of abandoned building still happen until now and the existing laws does not reduce the issue. Therefore, the different and complicated Act policies on construction cause the building abandonment. According to Housing Development (Control and Licensing) Regulation 1989, Section 3 stated that the licence for upon every application is very easy. The laws can lead to any unexperienced developer apply the licence. Buyers are also faced with problems which is the house being unable to complete because the developer do not have a valid Housing Development License and Advertising and Sales Permit (MalaysiaKini, 2017). Besides that, the authorities must check whether the developer is qualified or not to control a project. The developer must have a purpose for do a development and the authorities need to qualified either the purpose of development can be successful or not. For example, based on Housing Development (Control & Licensing) Act 1966 (Act 118) in section 6 which is

Conditions or restrictions for the grant of a licensing stated that the developer's deposit has now been increased to three per cent of the estimated cost of construction. This means that only developers with a strong financial backing are able to be granted a licensing for development to avoid abandoned building project because there are many financial issues that causes by developer.

A small interview has been handled to get some information regarding the Act policies that parties does not follow and it also can bring a lot of complacency to some parties if the policies does not amend. Regarding to interview from developer organization, there are several policies that might be harm to their business. For the first Act Policies is based on P.W.D Form 203A (Rev. 1/2010) in clause 30 which is fluctuation of price. It is stated that net total of payment that should be pay to the contractor shall be increased or decreased accordingly (PWD203A, 2010). That policies should be amended because of it will give loss to the developer. The net total of payment can be increase or decrease according to the contractor. So that, that policies will give advance to the contractor. The developer wishes to pay the appropriate amount if the contractor who escaped after paying without complete the project. If the contractor walks away and does not complete the project, the developer will have suffered huge losses. Moreover, it is complicated to find new contractor to run again the project and it can cause the developer let the project became abandoned building project.

From that interview also, the policies that should be amendment is based on P.W.D Form 203A (Rev. 1/2010) in clause 69 which advance payment. The clause stated that the advance payment shall be recouped when the cumulative total value of Builder's work executed and certified reaches 25% and the advance payment on the contract amounts to 25% that developer need to pay to contractor should be amendment because of 25% of Builder's work is just beginning work. The advance payment should be 50% Builder's work and at least the developer see the improvement of the project. However, clause 69 give the profit to the contractor because it can help their financial to invest for that project.

#### 2.6 Summary

The literature reviews from had been listed some the law issues toward abandoned building project in Peninsular Malaysia. Based on the literature review studies in this research, the common causes of law issues toward abandoned building projects in Peninsular, Malaysia which is Clause 30 and Clause 69 in P.W.D Form 203A (Rev. 1/2010) also Section 3 in Housing Development (Control and Licensing) Regulation 1989. The table shows some of literature review of this study.

Authors	Title	Abstract
Nuarrual Hilal Md. Dahlan	The Need to Define	Construction and
2008	'Abandoned Housing	development works on site
	Project' in Peninsular	of the project, has been
	Malaysia: An Analysis	terminated for the
		preceding six (6) months
		or more.
Arni Nadhirah bt Abdul	Abandoned Housing	The developer has lack of
Hadi, Nurul Huda bt Mohd	Project: Issues and	experience and knowledge
Salleh & Tan Gim Mei	Challenge	to handle the project.
2015		
Mohamad Sukeri Khalid	Abandoned Housing	The findings will also
2010	Development: The	significantly assist the
	Malaysian Experience	federal government to
		revise the present housing
		provision in Malaysia
		from the 'Sell then Build'
		to the 'Build then Sell'
		systems.

Table 2.2Literature Review

This abandoned building gives so many negative impacts to the individual, parties involved and country. However, the information gathered is not enough as the main factor that can causes abandoned building project is not identified yet. To get the result, a questionnaire will be distributed to collect the data.

## **CHAPTER 3**

#### METHODOLOGY

#### 3.1 Introduction

For this chapter is about the method that will use in this research to achieve the objectives outlined that has been discuss in chapter 1. The methodologies adopted for this research are literature search and questionnaire survey.

# 3.2 Literature Review

Literature review has been finalized with the different of information sources which is book, journal, article and internet article. The review already explained in chapter 2. The purpose of this review is to understand the theory regarding the law issues toward abandoned building project in Malaysia.

#### 3.3 **Questionnaire Survey**

Questionnaire survey will conduct as data collection for this study. The questionnaire is distributed randomly about 60 questionnaires and also distributed to the respondent to get the feedback and appropriate data to achieve the objective of this study. Furthermore, the distributions of the questionnaires are done through social network, e-mail and by hand using questionnaire form. The questionnaires will be spread to contractor, consultant, developer, government and others. Others mean who that work in civil environment.

#### 3.3.1 Questionnaires Structures

The questionnaire will be in the form of multiple choice questions and answers. The questionnaire is divided into four sections as follows:

i. Section A: Establish respondent's background.

ii. Section B: This section is about the respondent's knowledge about abandoned building project.

iii. Section C: This section is about the impacts that causes by abandoned building project in Malaysia (Peninsular).

iv. Section D: This section is about law issues toward abandoned building project in Malaysia (Peninsular).

v. Section E: This section is about the opinion to solve the abandoned building project in Malaysia (Peninsular).

Likert scale will be used in the multiple-choice question which is five ordinal measure of agreement for each statement from 1 to 5.

Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree
1	2	3	4	5

Table 3.1Five ordinal measure of agreement of Likert's Scale

The advantages that use this scale as follow:

- i. To ease the respondent to answer the questionnaires.
- ii. Easier to evaluate the data collection.
- iii. Numerous of information can be generated and obtained.

#### **3.3.2** Data Analysis

The data analysis made on the data that obtained from the questionnaires so that these data can be processed and converted into easily understood form of information. The questionnaires were distributed evenly to the expertise and were analysed by using Relative Importance Index (RII) technique. The data obtain from the questionnaire was analysed using the average index method and the multiple-choice question is made based on Likert's Scale for five ordinal measure of agreement (Ariffin *et al.*, 2018). The Relative Important Index (RII) is as Equation 3.1;

$$RII = [(5n_5 + 4n_4 + 3n_3 + 2n_2 + 1n_1)/5N]$$
3.1

Where;

n5 = Strongly Agree (SA); n4 = Agree (A); n3 = Undecided (UD); n4 = Disagree (DA); n1 = Strongly Disagree (SD); and N = Number of respondents.

# 3.4 **Research Methodology Flow Chart**

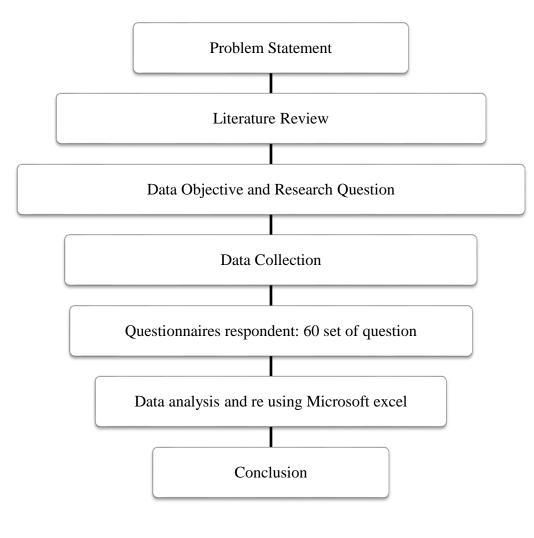


Figure 3.1 Flow Chart

#### **CHAPTER 4**

# **RESULTS AND DISCUSSION**

#### 4.1 Introduction

The chapter shows the research result and analysis. The data will process and analysed from the questionnaire survey that has been distributed. The data received will generate the result which will then be tabulated and chart that will use for further discussion. The first section will explain about the respondent's background in simple analysis. The second section is about the knowledge of respondent about abandoned building project. The third section is about the impacts caused by abandoned building project. The next section display result on the law issues toward abandoned building project and also the opinion of solution regarding how to avoid abandoned building project in Malaysia.

# 4.2 Data Collection

The qualitive data generated from the questionnaire survey was analysed using the relative important index as a preliminary technique as explanation would simple to understand. This method shows the percentages or average index. The average relative important index is then represented in the form of tables, pie chart and bar charts. A total questionnaire was managed to be is 53 and hence only that will used as the analysis of this research.

#### 4.3 Section A: Background of respondent

For the first question in background of responses which is about gender. Based on the literature review studies in this research, the common causes of law issues toward abandoned building projects in Peninsular, Malaysia which is Clause 30 and Clause 69 in P.W.D Form 203A (Rev. 1/2010) also Section 3 in Housing Development (Control and Licensing) Regulation 1989. The table shows some of literature review of this study.

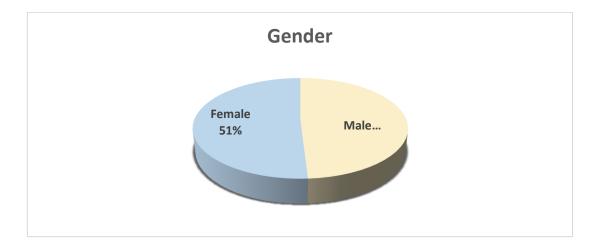


Figure 4.1 Gender of respondent

Based on figure 4.2, the majority of the respondents are from the age group 20-29 years with 79%, 11% from the age group 40-49 years old which start to be senior in the construction organization. The senior respondent is more important to show how the respondents understand the questionnaire that is distributed. This is because some of the senior have many experiences in abandoned building issues compare to the junior. The junior must know about the abandoned building because that issues was current issues in Malaysia and no solution the reduced the issues but they do not have an experience how to handle that issues.

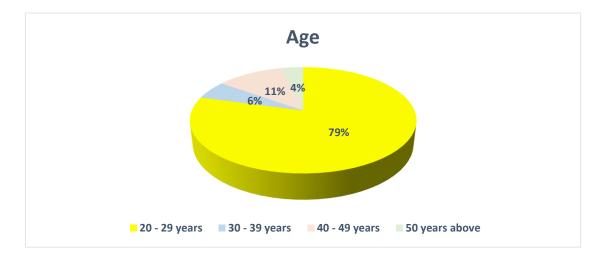


Figure 4.2 Age of respondent

The location that respondent's works are mostly at Johor with the highest percentage 23%, followed by Kuala Lumpur which is 17% are shown in figure 4.3. This may be easy to get the respondent at Johor and Kuala Lumpur because development activities are more at the capital cities. It is related with table 1.1 which is the most housing project developing in Johor and Selangor. So that, the mostly respondents are from Johor and it was easily respondent to answer the questionnaire.

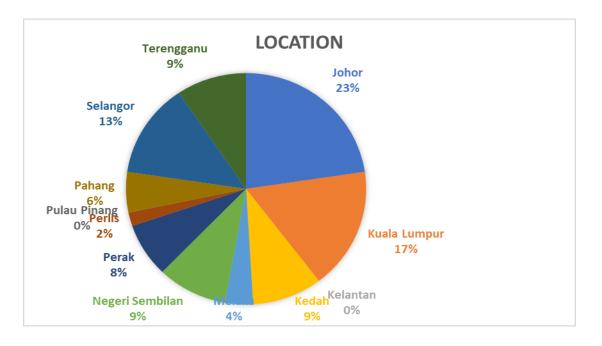


Figure 4.3 Location of the respondent

From figure 4.4, mostly respondent that respond the questionnaire are from degree which is 68% and followed by other is 6%. Other here mean the respondent must from Technical Institute or etc. This is because of nowadays, Malaysians are well educated so that the people need to have certain qualification at least diploma to work especially in construction industry. Because of that, mostly respondent may be understanding the objective of questionnaire were distributed.

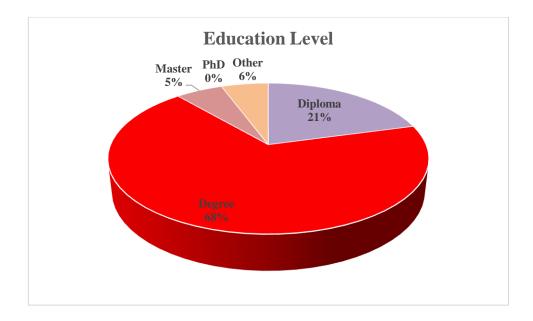


Figure 4.4 Education Level of Respondent

### 4.3.1 Response Occupation

Based on the table 4.1, majority of respondents is contractor 55%. The number of respondents working as developer 17% and government 13%, followed by consultant 11% and other is 17%. The others group consists of the people who involve in construction site. The occupation of the respondent is important in this survey to show how much respondents with different type of work understand the questionnaire. Mostly in government, developer and consultant sector, they know what the policies that used and the important policies about abandoned building project. It can make the result become more exact to analyse.

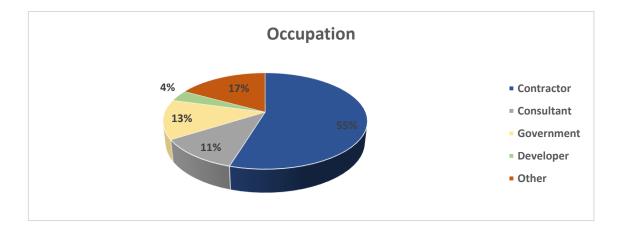


Figure 4.5 Respondent's Occupation

#### 4.4 Section B: Responses about Knowledge of Abandoned Building

Based on table 4.2 shows the result of respondent's knowledge of abandoned building in Malaysia that made from the percentage. For the section will as either yes or no. About 96% have heard about abandoned building and 4% do not heard about abandoned building in Malaysia. Mostly heard about abandoned building because the news on television. Moreover, according to (The Rakyat Post, 2017) there was about 253 abandoned private housing project were recorded in Peninsular Malaysia until now. So, it is being impossible if the respondent does not hear about abandoned building in Malaysia.

For next question is 'have you experienced in housing development' and mostly the respondent experienced in housing development which is 51%. There is because many respondents that answer this survey are contractor. The contractor usually will involve with building or housing development. Followed by the question which is 'have you experience in abandoned building' and mostly does not influenced in abandoned building which is 70%. 30% of have experience in abandoned building must be contractor or developer.

The abandoned building had happened at all location in Malaysia and people must have seen abandoned building surrounding them. There are about 89% have seen the abandoned building. The abandoned building mostly happens in major cities and maybe 11% that never seen the abandoned building stay in minor cities where that does not have an abandoned building project. Abandoned building are easily to locate and accessible to public especially in urban area (Footprint, 2014).

Abandoned building is building that has no identifiable owner and an empty building that is not in use (Eder, D., 2018). There were about 91% agreed with 'abandoned building is a building where there are no occupants in long time'. When the contractor or developer decided to walk away for that building, there no more maintenance will conduct at that area. So that, the building does not have an occupant in long time.

Furthermore, there are 77% agreed with 'abandoned building is residential left without buyer'. It is due to the owner not being able to maintain or pay the building and decided to walk away (Eder, D., 2018). Residential left without buyer maybe because the

developer has a poor planning and research about the project. The developer promotes the product with highest value and the resident not able to buy the product. At the end, the project does not have a buyer and became abandoned building.

The last question is 'abandoned building happens when the contractor fails to complete the work due to limited time of failing to resume work in allocated time'. 91% respond agreed with that statement. Which means, the contractor fails to complete the work became one of the causes abandoned building.

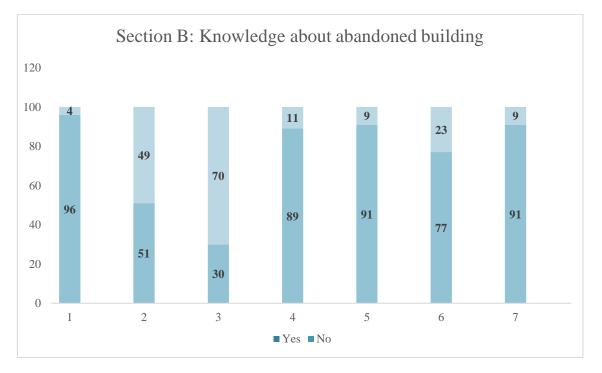


Figure 4.6 Respondent's knowledge about abandoned building project

#### 4.5 Section C: Impacts caused by abandoned building project in Malaysia

Figure 4.7, show the ranking about the impact caused by abandoned building that made from the value relative index inequality at table 4.3. From figure 4.7, the result show that the highest rank 1 which is 0.85 of Relative Important Index (RII) of the impact caused by abandoned building project is the abandoned building project can destroy the image of our country toward other country. Mostly agree with this statement because Malaysia is one of the country that attract many tourists come to Malaysia. the overall market value collapse due to the abandoned building project will lead to the country economic collapse as well because there are too much unemployment cases in our country. Usually abandoned building happen in major cities and the tourist will see clearly the abandoned building project in front of them.

The second raking which is 0.80 of RII is about the employment rate is increase and economic quality of life decrease upon people loss their job and the individual party that have influenced by the abandoned building project having monetary loss. If there are the project identified as abandoned building project, the current employer will lose their works and it make employment rate in our country became increase. Furthermore, some of buyers are not come from high income families. They usually apply loan from bank to pay the deposit of house that being abandoned building project. To get the refund it took quite a while and the loan must be pay before getting blacklist name. Followed by third ranking which have 0.78 of RII is about the social life of public being affected and the company might be bankruptcy due to unable to pay debt left behind by the abandoned building project. The social life of public will interrupt because the abandoned building project became a drug addict. It may be dangerous to the resident surrounding the abandoned building area and it will influence the neighborhood security because will be an increasing of chances in stealing cases by the drug addicts. Therefore, the company that involve with abandoned building might be suffer harm losses and it might dropped company image badly and the public will be seeing that the company have poor management and poor planning so that the abandoned building project was happened.

In addition, mostly respondent does not agree with 'abandoned building promote the habitat for dangerous animals. It is because the abandoned building project often occur in the middle of the city not in bush or forest. So that the dangerous animals would not come in abandoned building. It will be the habitat for animals but only insect. If the abandoned building project are cannot reduce, it might be public poor healthy in poor situation. So that, the biggest impact caused by abandoned building project is it will destroy our country image.

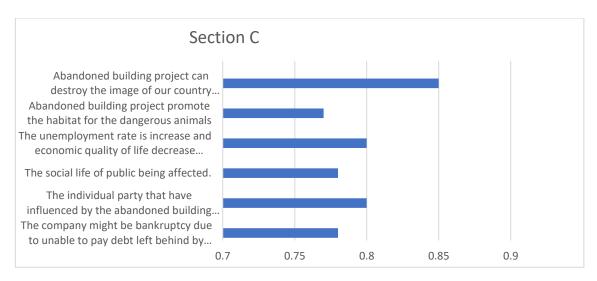
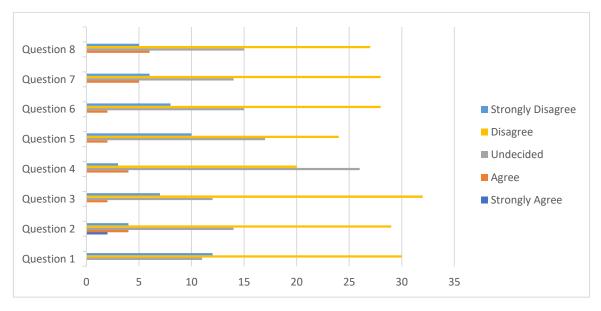
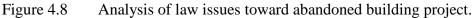


Figure 4.7 Impact caused by abandoned building project.

## 4.6 Section D: Law issues toward abandoned building

This section has eight questions as show at figure 4.8. This section focused on the law issues toward abandoned building project in Peninsular Malaysia. The data show how the law issues toward abandoned building project. For example, in question 4 the analysis show that law from section 3 of Housing Development (Control and Licensing) Regulation 1989 should be amended or not. It also discusses about opinion from the respondent on Act policies towards abandoned building project. This is necessary as abandoned building project involve various parties such as house buyers, contractor, supplier and developer. All of the analysis will discuss in this section.





This question is about the respondent's knowledge either there is some law practice for avoid the abandoned building. Mostly the respondent chooses agree with that statement there are some law applied to the abandoned building project but the problem still occur in Malaysia.

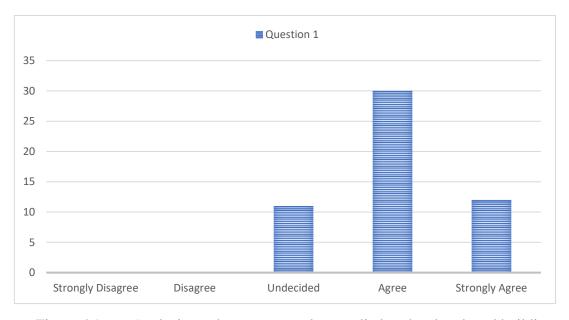


Figure 4.9 Analysis on there are some law applied to the abandoned building.

Based on question 2, there are the result in figure 4.10 regarding the different and complicated Act policies in construction cause the building abandonment and for question 3, there are the result show in figure 4.11 which the analysis of existing Act is did not solve the current problem o abandoned building project. For both question, mostly agree with that statement. The result show that many parties that involve in construction industry did not understand about the Act policies because it is very complicated, so that the current problem which is abandoned building does not solve either the existing law is practice in construction industry or not.

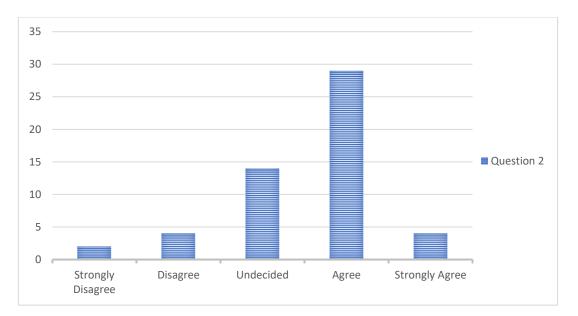


Figure 4.10 Analysis on the different and complicated Act policies in construction cause building abandonment

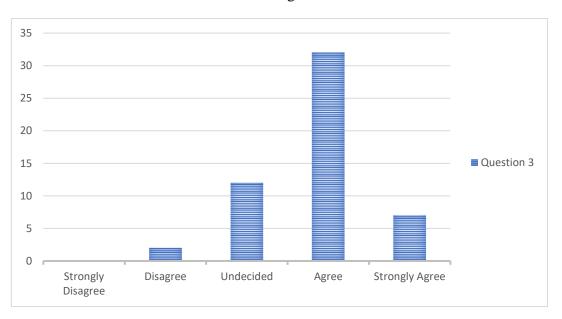
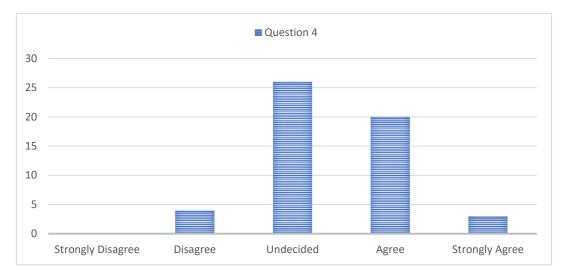
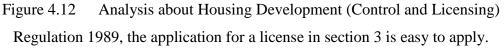


Figure 4.11 Analysis on the existing Act did not solve the current problem of abandoned building project

For the result shown in figure 4.12, which is from question 4 regarding Section 3 in Housing Development (Control and Licensing) Regulation 1989, it stated that the application for licensing is very easy to apply. There are no tight in terms and condition for apply the licensing. The laws can lead to any unexperienced developer apply the license. Besides that, the authorities must check whether the developer is qualified or not to control a project. The developer must have a purpose for do a development and the authorities need to qualified either the purpose of development can be successful or not.

Mostly respondent choosing undecided. It is because the half of the respondent is contractor and did not about the terms and condition to developer get the licensing. Based on figure 4.13, which is from question 5 it is related to the section 3 of Housing Development (Control and Licensing) Regulation 1989. This question is about to ask whether the law should be amended or not. Mostly the respondent answer agrees, so that the law should be amended to avoid any developer that involve construction who is not qualified to control the project.





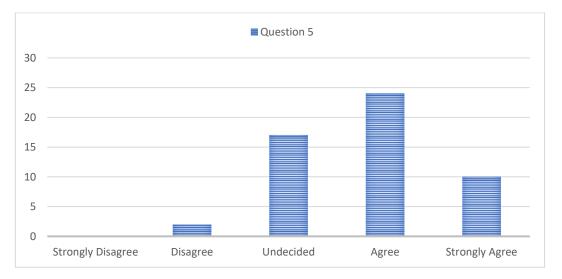


Figure 4.13 Analysis about the amended of Section 3 in Housing Development (Control and Licensing) Regulation 1989.

From figure 4.15, the result shown as a question 7 which the analysis of the advance payment on the Contract is amounting to 25% that developer need to pay to contractor regarding P.W.D Form 203A (Rev. 1/2010). The clause stated that the advance payment shall be recouped when the cumulative total value of Builder's work executed and certified reaches 25% and the advance payment on the contract amounts to 25% that developer need to pay to contractor should be amendment because of 25% of Builder's work is just beginning work. Mostly respondent agree with that statement and for the result shown in figure 4.14 is about the law should be amended or not. Regarding the respondent in this survey, mostly answer this questionnaire is contractor. The policies are given losses also to the contractor because 25% is a little amount and cannot backup the modal to construct the development.

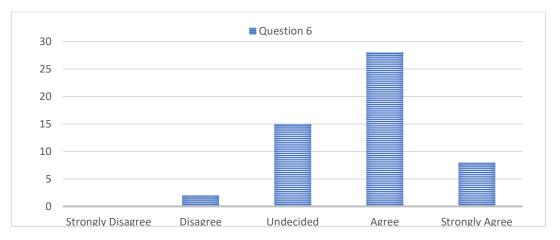
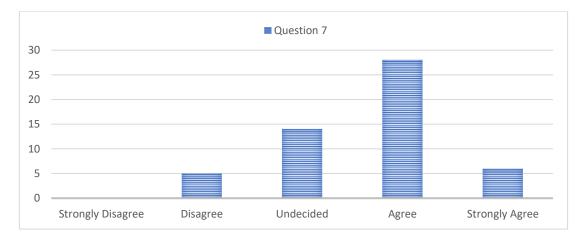
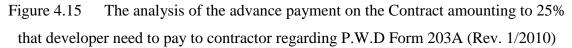


Figure 4.14 The analysis of the clause 69 in P.W.D Form 203A (Rev. 1/2010) should be amended or not





31

For the figure 4.16 shown the result for question 8 which the analysis on the net total of payment that is need to pay to the contractor shall be increased or decreased accordingly stated in clause 30 of P.W.D Form 203A (Rev. 1/2010). The data shown that the respondent agree to amended this clause because that policies will give advance to the contractor. The developer wishes to pay the appropriate amount if the contractor has completed about 25% or 50% of the development to avoid the occurrence of the contractor who escaped after paying without complete the project. If the contractor walks away and does not complete the project, the developer will have suffered huge losses.

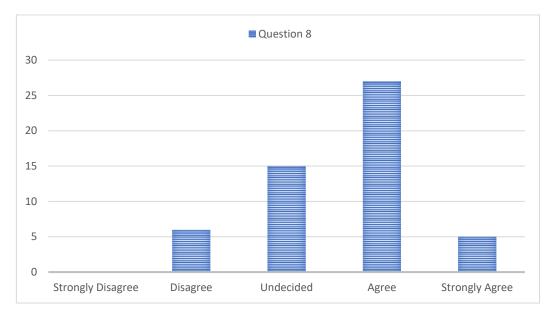


Figure 4.16 The analysis about the net total of payment that need to pay to the contractor shall be increased or decreased accordingly stated in clause 30 of P.W.D Form 203A (Rev. 1/2010)

Based on the figure 4.17, the top rank is the analysis of the advance payment on the Contract is amounting to 25% that developer need to pay to contractor regarding P.W.D Form 203A (Rev. 1/2010) with RII value which is 0.76. The clause stated that the advance payment shall be recouped when the cumulative total value of Builder's work executed and certified reaches 25% and the advance payment on the contract amounts to 25% that developer need to pay to contractor should be amendment because of 25% of Builder's work is just beginning work. Mostly respondent agree with that the law should be amended or not. Regarding the respondent in this survey, mostly answer this questionnaire is contractor. The policies are given losses also to the contractor because 25% is a little amount and cannot backup the modal to construct the development. Therefore, followed by Section 3 in Housing Development (Control and Licensing) Regulation 1989, it stated that the application for licensing is very easy to apply with RII value which is 0.73. There are no tight in terms and condition for apply the licensing. The laws can lead to any unexperienced developer apply the license. Mostly the respondent answer agrees, so that the law should be amended to avoid any developer that involve construction who is not qualified to control the project.

Based on previous study, the Act issues toward abandoned building project is sell the build system. As the name implies, houses can be sold before the houses are being built, therefore there is more cash flow from the start of the construction phase and less requirement for the developer's own capital (Hadi, A.N.A., Salleh, N.H., and Mei, T.G., 2015). Consequently, Teoh & Lim stated that the projects may be delayed and eventually some might become abandoned. The sell-then-build system is also less risky than a buildthen-sell system from bankers" point of view. The previous study has a solution which is change the concept sell then build to build then sell. The benefits of this concept are that the rights and responsibilities of the buyers and developers will be stated clearly, while banks and financial institutions are able to fund projects, as there is proof of sales transactions (The Star, 2007).

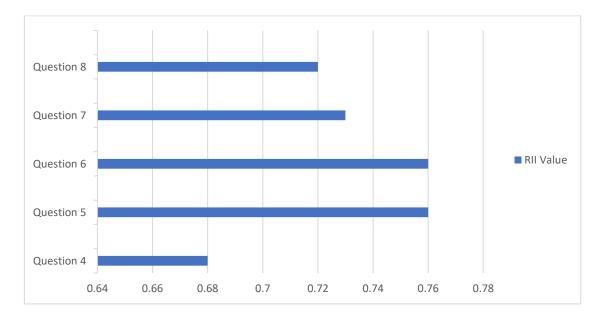


Figure 4.17 Rank between question section D regarding Relative Importance Index

#### 4.7 Section E: Solution of the abandoned building project

All this section is an important to gather the information in this questionnaire was distributed in order to achieve the research objective of solution and precaution step of abandoned building. In figure 4.18 below show the highest opinion of the respondent to solve the abandoned building project is select potential developer or contractor to execute the project which 49%. The authorities need to make sure all the project will have handled by the potential developer or contractor. The potential developer and contractor here means they did not have a common problem which is financial problem or mismanagement problem that end up make the project became abandoned building project. Rehabilitation is the lowest choice for the solution of the abandoned building project with 8%. This is because the respondent must know the process before get rehabilitation is difficult and took quite a while progress.

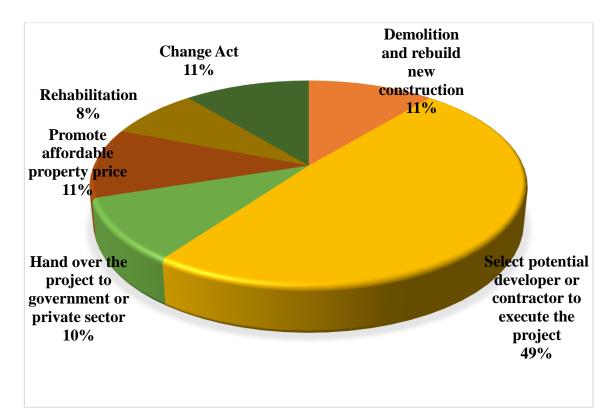


Figure 4.18 The analysis of solution for the abandoned building project

#### 4.8 Summary

By conducting analysis and discussion in this chapter, various findings and result are obtained. The government has a responsibility in providing quality housing and adequate for all its citizens. This can be done through policies enacted and housing programs. However, it was beyond the responsibility of the government to rehabilitate abandoned private sector housing projects because the house purchase was a transaction between the buyers and a private company. It is the responsibility of the original developer. However, being a responsive government for the public, the government of Malaysia has worked out a method to revive abandoned housing projects as a special additional measure of the government. The right policy has to be enacted to overcome the repetition of this endless abandoned issue.

There are focusing on do the analysis and discussion related to the objective for this study. The analysis of law issues toward abandoned building project is identify with ranked and compare. The solution of the abandoned building is identified but choosing the highest choice using pie chart. In addition, the following chapter will comprise of conclusion of the study and recommendation for further study about analysis on law issues toward abandoned building project in Peninsular Malaysia.

### **CHAPTER 5**

#### CONCLUSION

## 5.1 Introduction

This chapter about the conclusions of this research, the proposals to manage the problem of abandoned building project that grow up in Peninsular Malaysia. It started with the explanation of the impact caused by abandoned building project as the appropriate statistical test for analyzing the data in order to achieve the research objective. The all data of this research gathered from the survey questionnaire. It is useful for data reduction and summarization of the set of observed variables which contained variables for identifying in this study.

#### 5.2 Conclusions

Based on the result that has been analyzed, this study has come out with the conclusion based on the objectives that need to be achieve in this research. Those three objectives are to analyze issues of Malaysia's Act toward abandoned building project, to investigate the cause and factor contribute to the abandoned building based on Act by government and to purpose the suitable solution to overcome abandoned building project due to Act.

# 5.2.1 Objective 1: To analyze issues of Malaysia's Act toward abandoned building project

The first objectives have been achieved. The law issues have been obtained from the literature review or known as the secondary data. There was law in section 3 of Housing Development (Control and Licensing) Regulation 1989, clause 30 and clause 69 in P.W.D Form 203A (Rev. 1/2010). These 3 law issues toward abandoned building project in Peninsular Malaysia.

# 5.2.2 Objective 2: To investigate cause and factor contribute to the abandoned building based on Act by government

The second objective of this study has been identified where the cause and factor contribute to the abandoned building based on Act by government is Section 3 in Housing Development (Control and Licensing) Regulation 1989 and clause 69 in P.W.D Form 203A (Rev. 1/2010). There were about 64% is agree about this statement and about 36% were disagree that the law policies were the cause and factor that lead to abandoned building project.

# **5.2.3** Objective 3: To identify the suitable solution for the abandoned building project.

The third objective has been successfully achieved. There were 6 suggestion of suitable solution that can be choose for this problem. The possible solution is demolition and rebuild new construction, select potential developer or contractor to execute the project, hand over the project to government or private sector, promote affordable property price, rehabilitation and change Act. Therefore, the preferable solution is by select potential developer or contractor to execute the project.

In conclusion, any construction management who has involved in the abandoned building, they need to finish the project even though the project has been abandoned. The effect of the abandoned building does not only occur the company but also the surrounding and house buyers. The construction organization must have a good strategy and a good planning to avoid the project become abandoned building.

### 5.3 **Recommendations**

Further studies on the research need to be conducted in the future in order to come out with better result. Several recommendation are proposed for the future studies of this analysis the law issues toward abandoned building project in Peninsular Malaysia. The following recommendations might be useful for future investigation to achieve the objectives of this research:

1. For research regarding legal issues, the interview session between the parties that involve in the problem more appropriate.

- 2. A study that focuses on investigating the potential solutions to abandonment of project to complement the lack of this research.
- 3. Increase the number of respondents and questionnaire for the site in order to obtain more accurate and precise data.
- 4. Search more relevant journal or the related information about the performance of parties involved in the project. So, the researcher can really prepare a very good search.

The finding could help the practitioners in construction industry to gain better understanding about the problems time of projects during construction stage. By taking care of these potential causes in their present and future projects, construction participants can reduce and control the extend of delay and cost overruns.

#### REFERENCES

Abdul-Rahman, H., Alashwal, A. M. and Abdullah, A. A. (2017) 'Abandoned Housing Projects in Malaysia: Risk Management Capabilities During Rehabilitation', *International Journal of Architectural Research: ArchNet-IJAR*, 10(2), p. 153. doi: 10.26687/archnet-ijar.v10i2.938.

Alaghbari, W. *et al.* (2007) 'The significant factors causing delay of building construction projects in Malaysia', *Engineering, Construction and Architectural Management*, 14(2), pp. 192–206. doi: 10.1108/09699980710731308.

Ariffin, N. F. *et al.* (2018) 'The Study on Cause and Effect of Abandoned Housing Project in Selangor', *IOP Conference Series: Materials Science and Engineering*, 431(8), pp. 0–7. doi: 10.1088/1757-899X/431/8/082013.

Azlinor Sufian and Rozanah AB. Rahman (2008) 'Quality Housing: Regulatory and Administrative Framework in Malaysia', *International Journal of Economics and Management*, 2(1), pp. 141–156.

Bernama (2017) 253 projek perumahan swasta terbengkalai sejak 2009 - Noh / Astro Awani. Available at: http://www.astroawani.com/berita-malaysia/253-projek-perumahan-swasta-terbengkalai-sejak-2009-noh-133477 (Accessed: 28 May 2019).

Doraisamy, S. V, Akasah, Z. and Yunus, R. (no date) 'A REVIEW ON ABANDONED CONSTRUCTION PROJECTS : CAUSES & EFFECTS'.

*FAQ - Vacant and Abandoned Building Finder - Chicago* (no date). Available at: http://chicagobuildings.org/faq.html (Accessed: 25 April 2019).

Footprint, W. (2014) 'Abandoned Buildings', (July).

Hadi, A.N.A., Salleh, N.H., and Mei, T.G. (2015) 'ABANDONED HOUSING PROJECT: ISSUES AND CHALLENGE IN MALAYSIA 15 MEI 2015'. Available at: https://www.academia.edu/12498660/ABANDONED\_HOUSING\_PROJECT\_ISSUES\_AND\_ CHALLENGE\_IN\_MALAYSIA\_15\_MEI\_2015 (Accessed: 29 April 2019).

Hamzah, A.-R. *et al.* (2011) 'Project Schedule Influenced by Financial Issues : Evidence in Construction Industry', *Scientific Research and Essay*, 6(1), pp. 205–212. doi: 10.5897/SRE10.989.

*Housing Development (Control & amp; Licensing) Act* (no date). Available at: https://www.hba.org.my/laws/list/hda.htm (Accessed: 29 April 2019).

Ibrahim, F. (2006) 'FAKTOR-FAKTOR KRITIKAL BAGI PEMULIHAN PROJEK PERUMAHAN TERBENGKALAI', 67(6), pp. 14–21.

Kaur, S. (2011) *Rehabilitating abandoned housing projects | New Straits Times | Malaysia General Business Sports and Lifestyle News*. Available at: https://www.nst.com.my/property/2018/10/418064/rehabilitating-abandoned-housing-projects (Accessed: 5 October 2018).

Khalid M.S. (2010) 'Abandoned Housing Development: The Malaysian Experience (PhD Thesis)', (February), pp. 1–346.

KPKT (2018a) '66 PROJEK DI DALAM PERANCANGAN PEMULIHAN', (September).

KPKT (2018b) 'SENARAI PEMAJU PROJEK PERUMAHAN SWASTA TERBENGKALAI', (April).

Look, T. and Policy, E. (2016) 'Sector Analysis 2 Sector Analysis on Construction Industry', *Malaysia Productivity Corporation*, pp. 11–33. Available at: http://www.mpc.gov.my/wp-content/uploads/2016/04/Chapter-2.pdf.

Malaysia, U. (2004) *Rumah terbengkalai jejas imej negara*. Available at: http://www.hba.org.my/news/2004/804/rumah.htm (Accessed: 29 April 2019).

MalaysiaKini (2017) '253 projek perumahan swasta terbengkalai sejak 2009 - Noh | Astro Awani'. Available at: http://www.astroawani.com/berita-malaysia/253-projek-perumahan-swasta-terbengkalai-sejak-2009-noh-133477 (Accessed: 28 May 2019).

MUSTAFA, F. A. (2015) 'Selangor, Johor paling tinggi'. Available at: http://www.utusan.com.my/berita/nasional/selangor-johor-paling-tinggi-1.116012 (Accessed: 29 May 2019).

Nagamany, L. K. (2016) 'a Study of the Causes and Effects of Abandoned Residential Porjects in Malaysia', p. 169. Available at: http://eprints.uthm.edu.my/8901/1/DHARMASEGARAN\_K.\_NAGAMANY.pdf.

Nalley, J. (1993) *1993: Highland Towers Collapse | Learning from Building Failures*. Available at: https://buildingfailures.wordpress.com/1993/02/06/highland-towers-collapse/ (Accessed: 25 May 2019).

New Straits Times (2018) Abandoned projects: Doing due diligence / New Straits Times / Malaysia General Business Sports and Lifestyle News. Available at: https://www.nst.com.my/property/2018/04/359459/abandoned-projects-doing-due-diligence (Accessed: 25 April 2019).

Over 64,000 houses in limbo due to abandoned projects since 2009 - The Rakyat Post (no date). Available at: https://www.therakyatpost.com/2017/02/24/over-64000-houses-in-limbo-due-to-abandoned-projects-since-2009/ (Accessed: 25 April 2019).

PWD203A (2010) 'Standard form of contract, P.W.D Form 203A (Rev.1/2010)', p. 59.

The Star (2007) *Build-then-sell concept to benefit all - Nation | The Star Online*. Available at: https://www.thestar.com.my/news/nation/2007/06/26/buildthensell-concept-to-benefit-all/ (Accessed: 29 May 2019).

The Star (2017) *Hope for abandoned project - Metro News | The Star Online*. Available at: https://www.thestar.com.my/metro/metro-news/2017/12/07/hope-for-abandoned-project-housebuyers-bank-on-state-governments-redevelopment-plan/ (Accessed: 25 April 2019).

Yap, E. H. (2013) 'Causes of Abandoned Construction Projects in Malaysia', (May).

Yap, E. H. and Tan, H. C. (2018) 'Abandoned Projects in Malaysia - A Study of the Causes ABANDONED PROJECTS IN MALAYSIA – A PRELIMINARY', (November 2009).

Street, Drainage and Building Act 1976 of Malaysia.

Uniform Building By-Laws 1984 of Malaysia.

# APPENDIX A SAMPLE APPENDIX 1

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
	YSIS ON LAW ISSUES TOWARD ABANDONED BUILDING SING AND PROJECTS IN MALAYSIA
INTRODUC	TION
	rrently final year student Bachelor of Civil Engineering in Universiti Malaysia Pahang. I am conducting a Analysis on Law Issues toward Abandoned Building Housing and Projects in Malaysia (Peninsular).
The object	ive of this survey:
2. To invest	ze issues of Malaysia's Act towards abandoned building housing and projects. tigate the cause and factor contribute to the abandoned building based on Act by Government. ose the suitable solution to overcome abandoned building due to Act.
	preciate if you could answer the survey wisely and reliably. Thank you for your time and involvement that the accuracy and success of the research.
Sincerely,	
Final Year Bachelor o	a binti Mohd Zaki Student f Civil Engineering Jalaysia Pahang, Gambang.
SECTIO	ON A: RESPONDENT'S BACKGROUND
Gender	*
⊖ Fem	ale
Male	e
https://docs.google.o	om/forms/d/14Nws58GwDERH8t2-NPX3TYjKjPQn2-q/41XSK7CrSFgledt#response=ACYDBNg-5uhTWK1-2DgK864xkM-inJtL0 1/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
Age *	
20	) - 29 years
0 30	) - 39 years
0 40	) - 49 years
0 50	) above
Ethni	c/Race *
<u>о</u> м	
-	hinese
() In	dian
0 01	ther
Туре	of Organization *
() Co	ontractor
O Co	onsultant
O Go	overnment
	eveloper
0 01	ther
https://docs.googl	ie.com/forms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-q41X5K7CrSFgledit#response=ACYDBNg-5uhTWK1-2DgK964xkM-InJtL0 2/12

5/29/2019 ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA	
Education Level *	
O Diploma	
O Degree	
Master	
O PHD	
O Other	
Location *	
Optimized States (States) Johor	
O Kuala Lumpur	
C Kelantan	
🔿 Kedah	
O Melaka	
O Negeri Sembilan	
O Perak	
O Perlis	
O Pulau Pinang	
O Pahang	
Selangor	
Terengganu	
https://docs.google.com/forms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-q41XSK7CrSFg/edit#response=ACYDBNg-5uhTWK1-2DgK064xkM-InJtL0	

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA	
SECTI	ON B: KNOWLEDGE ABOUT ABANDONED BUILDING	
02011		
	es: Act used in Malaysia (Peninsular) sular Malaysia (Act 118 Housing Development Control and Licensing Act 1966)	
	Form 203A (Rev. 1/2010)	
Have	ou heard about abandoned building? *	
Yes	1	
O No		
Have	ou experienced in housing development? *	
Yes	8	
O No		
0		
Have	ou experienced in abandoned building? *	
Yes	8	
O No		
Have	ou seen abandoned building surrounding you? *	
Yes	s	
O No		
0		
Aband	oned building is a building where there are no occupants in a long	
time.*		
Yes	1	
O No		
https://docs.org/		
https://docs.google.	com/forms/d/14Nws56GwDERH8t2-NPX3TYJKJPQn2-q41XSK7CrBFg/edit#response=ACYDBNg-5uhTWK1-2DgK864xkM-inJtL0 4/12	

5/29/2019 ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA	
Abandoned building is a residential left without buyer. *	
○ Yes	
No	
Abandoned building happen when the contractor fails to complete the work due to limited time or failing to resume work in allocated time. *	
Yes	
O No	
SECTION C: IMPACTS THAT CAUSED BY ABANDONED BUILDING PROJECT IN MALAYSIA (PENINSULAR)	
The company might be bankruptcy due to unable to pay the debt left behind by the abandoned building. *	
Strongly disagree	
O Disagree	
O Undecided	
O Agree	
Strongly agree	
https://docs.google.com/forms/d/14Nws56GwDERH6t2-NPX3TY/KJPQn2-q41XSK7CrSFg/edit#response=ACYDBNg-5uhTWK1-2DgK864xkM-inJtL0 5/12	

The land	in the second
	ividual party that have influenced by the abandoned building project monetary loss. *
naving	nonetary loss.
<ul> <li>Stror</li> </ul>	ngly disagree
🔿 Disa	jree
O Unde	cided
⊖ Agre	e
O Stror	ngly agree
The so	cial life of public being affected. *
O Stror	ngly disagree
🔿 Disa	gree
O Unde	cided
Agree	e
⊖ Stror	ngly agree
	employment rate is increase and economic quality of life decrease eople loss their job. *
◯ Stror	ngly disagree
🔿 Disa	Jree
Under	cided
🔿 Agre	e
O Stror	igly agree

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
Ab	andoned building project promote the habitat for the dangerous animals.
0	Strongly disagree
0	Disagree
0	Undecide
۲	Agree
0	Strongly agree
	andoned building project can destroy the image of our country toward ner country. *
0	Strongly disagree
0	Disagree
0	Undecided
0	Agree
۲	Strongly agree
	CTION D: LAW ISSUES TOWARD ABANDONED BUILDING PROJECT IN ALAYSIA (PENINSULAR)

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
The	ere are some law applied to the abandoned building. *
$\circ$	Strongly disagree
0	Disagree
0	Undecided
۲	Agree
0	Strongly agree
	e different and complicated Act policies in construction cause the ding abandonment. *
$\circ$	Strongly disagree
0	Disagree
۲	Undecided
$\circ$	Agree
0	Strongly agree
	e existing Act did not solve the current problem of abandoned building ject. *
0	Strongly disagree
$\circ$	Disagree
$\circ$	Undecided
۲	Agree
0	Strongly agree

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
	ased on Housing Development (Control and Licensing) Regulation 1989, e application for a licence in Section 3 is easy to apply. *
C	Strongly disagree
C	Disagree
۲	Undecided
C	Agree
С	Strongly agree
sh	ection 3 of Housing Development (Control and Licensing) Regulation 1989 would be amended to avoid any contractor, developer or any organization at involve construction who is not qualified to control a project. *
C	Strongly disagree
С	Disagree
۲	Undecided
C	Agree
С	Strongly Agree

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
	se 69 in P.W.D Form 203A (Rev. 1/2010) should be amended to andoned building project by developer and contractor. *
Strong	ly disagree
O Disagn	ee
O Undeci	ided
Agree	
<ul> <li>Strong</li> </ul>	ly Agree
	n P.W.D Form 203A (Rev. 1/2010), the advance payment on the amounting to 25% that developer need to pay to contractor should dment. *
Strong	ly disagree
O Disagn	ee
O Undeci	ided
O Agree	
Strong	ly Agree

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
paymen	use 30 in P.W.D Form 203A (Rev. 1/2010) stated net total of t that government pay to the contractor shall be increased or ed accordingly should be amended. *
⊖ Stron	gly disagree
🔘 Disag	ree
Under	cided
○ Agree	2
◯ Stron	gly Agree
	N E: OPINION TO SOLVE THE ABANDONED BUILDING PROJECT IN SIA (PENINSULAR)
-	opinion, what is the best solution to solve the issues of abandoned in Malaysia (Peninsular). *
O Demo	lition and rebuild new construction.
Selection	t potential developer or contractor to execute the project.
O Hand	over the project to government or private sector.
O Prom	ote affordable property price.
O Rehal	bilitation
O Chan	ge Act
https://docs.google.com	nforms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-q41XSK7CrSFg/edtWesponse=ACYDBNg-5uhTWK1-2DgK864xkM-InJtL 11/12

# APPENDIX B SAMPLE APPENDIX 2

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
ANAL	SIS ON LAW ISSUES TOWARD ABANDONED BUILDING
HOUS	ING AND PROJECTS IN MALAYSIA
INTRODUC	TION
	rently final year student Bachelor of Civil Engineering in Universiti Malaysia Pahang. I am conducting a nalysis on Law Issues toward Abandoned Building Housing and Projects in Malaysia (Peninsular).
The objecti	ve of this survey:
2. To invest	e issues of Malaysia's Act towards abandoned building housing and projects. igate the cause and factor contribute to the abandoned building based on Act by Government. se the suitable solution to overcome abandoned building due to Act.
	reciate if you could answer the survey wisely and reliably. Thank you for your time and involvement that the accuracy and success of the research.
Sincerely,	
Final Year S Bachelor of	i binti Mohd Zaki itudent 'Civil Engineering talaysia Pahang, Gambang.
	anayana sanangi aranangi.
SECTIO	N A: RESPONDENT'S BACKGROUND
020110	
Gender	*
O Fem	ale
Male	
0	
	m/forms/d/14Nws56GwDERH6t2-NPX3TYJKJPQn2-q/41X5K7CrSFg/edit#response=ACYDBNhqrY_gGKwypZoVZ3o8Rx98VP 1/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
Age	*
0	20 - 29 years
0	30 - 39 years
	40 - 49 years
$\bigcirc$	50 above
Ethr	nic/Race *
۲	Malay
$\bigcirc$	Chinese
$\circ$	Indian
$\bigcirc$	Other
Тур	e of Organization *
۲	Contractor
0	Consultant
$\bigcirc$	Government
0	Developer
$\bigcirc$	Other
https://docs.go	ogle.com/forms/d/14Nws56GwDERH6t2-NPX3TYjKjPQn2-ql41XSK7QrSFgledt#response=ACYDBNhqrY_gGKwvpZoVZ3o8fRedBVP 2/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
Ed	ucation Level *
0	Diploma
۲	Degree
0	Master
0	PHD
0	Other
Lo	cation *
0	Johor
0	Kuala Lumpur
0	Kelantan
0	Kedah
0	Melaka
0	Negeri Sembilan
0	Perak
0	Perlis
0	Pulau Pinang
0	Pahang
۲	Selangor
0	Terengganu
https://docs.g	oogle.com/forms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-q41XSK7GrSFg/ed1#response=ACYDBNhqrY_gGKwvpZoVZ3o8fRx9BVP 3/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA	
SECTION	ON B: KNOWLEDGE ABOUT ABANDONED BUILDING	
	Side Notes: Act used in Malaysia (Peninsular) 1. Peninsular Malaysia (Act 118 Housing Development Control and Licensing Act 1966)	
	orm 203A (Rev. 1/2010)	
Have v	ou heard about abandoned building? *	
nave y	ou heard about abandoned building:	
Yes		
_ ···		
O No		
Have y	ou experienced in housing development? *	
O Yes		
0.03		
No		
Have v	ou experienced in abandoned building? *	
Have y	ou experienceu in abandoneu bunding:	
Yes		
<b>O</b> No.		
No		
Have y	ou seen abandoned building surrounding you? *	
Yes		
0.03		
O No		
Aband	oned building is a building where there are no occupants in a long	
time. *	shea bahang to a bahang there there are no occupanto in a long	
Yes		
O No		
https://docs.google.c	om/forms/d/14Nws56GwDERH8t2-NPX3TYjKjPQr2-q41XSK7Cr8Fg/edit#response=ACYDBNhqrY_gGKwvpZoVZ3o8fRx9BVP 4/12	

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
Abando	ned building is a residential left without buyer. *
⊖ Yes	
No	
	ned building happen when the contractor fails to complete the work mited time or failing to resume work in allocated time. *
Yes	
O No	
	N C: IMPACTS THAT CAUSED BY ABANDONED BUILDING PROJECT IN SIA (PENINSULAR)
	npany might be bankruptcy due to unable to pay the debt left behind bandoned building. *
O Stron	gly disagree
🔿 Disag	ree
O Under	cided
O Agree	
Strong	gly agree
https://docs.google.com	vforms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-q41XSK7Or8Fg/edit#response=ACYDBNhqrY_gGKwvpZoVZ3o8/Rx9BVP 5/12

5/29/2019 ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
The individual party that have influenced by the abandoned building project having monetary loss. *
Strongly disagree
O Disagree
O Undecided
○ Agree
Strongly agree
The social life of public being affected. *
Strongly disagree
O Disagree
O Undecided
O Agree
Strongly agree
The unemployment rate is increase and economic quality of life decrease upon people loss their job. *
Strongly disagree
O Disagree
O Undecided
Agree
Strongly agree
https://docs.google.com/forms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-g41XSK7CrSFg/edit#response=ACYDBNhqrY_gGKwvpZoVZ3o8fRx9BVP 6/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
A *	bandoned building project promote the habitat for the dangerous animals.
C	) Strongly disagree
C	) Disagree
$\subset$	) Undecide
C	) Agree
0	Strongly agree
	bandoned building project can destroy the image of our country toward ther country. *
C	) Strongly disagree
0	) Disagree
C	) Undecided
C	) Agree
C	) Strongly agree
	ECTION D: LAW ISSUES TOWARD ABANDONED BUILDING PROJECT IN IALAYSIA (PENINSULAR)
https://doc	a.google.com/forms/d/14Nws56GwDERH6t2-NPX3TYJKJPQn2-ql41XSK7CrBFg/edit#response=ACYDBNhqrY_gGKwvpZoVZ3o8fRx98VP 7/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
There	are some law applied to the abandoned building. *
⊖ Stro	ongly disagree
O Disa	agree
O Und	decided
🔿 Agr	ee
<li>Stro</li>	ongly agree
	fferent and complicated Act policies in construction cause the g abandonment. *
⊖ Stro	ongly disagree
O Disa	agree
O Und	decided
Agr	ee
⊖ Stro	ongly agree
The ex project	tisting Act did not solve the current problem of abandoned building t. $\star$
⊖ Stro	ongly disagree
O Disa	agree
O Und	decided
Agr	ee
⊖ Stro	ongly agree
https://docs.google.o	com/forms/d/14Nws56GwDERH8t2-NPX3TYjKjPQn2-q41XSK7Cr8Fg/edit#response=ACYDBNhqrY_gGKwvpZoVZ3o8fRx9BVP8/12

	Based on Housing Development (Control and Licensing) Regulation 1989, the application for a licence in Section 3 is easy to apply. *
	O Strongly disagree
	Disagree
	O Undecided
	O Agree
	O Strongly agree
	Section 3 of Housing Development (Control and Licensing) Regulation 1989 should be amended to avoid any contractor, developer or any organization that involve construction who is not qualified to control a project. *
	O Strongly disagree
	Disagree
	O Undecided
	O Agree
	O Strongly Agree
https:/	//docs.google.com/forms/d/14Nws56GwDERH6t2-NPX3TYJKJPQn2-q/41X5K7CrSFg/edit/response=ACYDBNhqrY_gGKwvpZoVZ3o8fRx9BVP 9/12

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA
	use 69 in P.W.D Form 203A (Rev. 1/2010) should be amended to bandoned building project by developer and contractor. *
O Stror	ngly disagree
🔘 Disa	gree
O Unde	ecided
O Agre	
Strop	ngly Agree
Contrac	on P.W.D Form 203A (Rev. 1/2010), the advance payment on the ct amounting to 25% that developer need to pay to contractor should ndment. *
O Stror	ngly disagree
Disa	gree
O Unde	cided
⊖ Agre	e
O Stror	ngly Agree
https://docs.google.co	m/forms/d/14Nex56GwDERH6t2-NPX3TYjKjPQn2-q41X5K7CiSFg/ed/t#vsponse=ACYDBNhq/Y_gGK.wpZoVZ3o8Rx08V

5/29/2019	ANALYSIS ON LAW ISSUES TOWARD ABANDONED BUILDING HOUSING AND PROJECTS IN MALAYSIA		
payment th	The Clause 30 in P.W.D Form 203A (Rev. 1/2010) stated net total of payment that government pay to the contractor shall be increased or decreased accordingly should be amended. *		
Strongly	disagree		
Disagree	e		
O Undecide	ed		
○ Agree			
Strongly	Agree		
	E: OPINION TO SOLVE THE ABANDONED BUILDING PROJECT IN A (PENINSULAR)		
	inion, what is the best solution to solve the issues of abandoned Malaysia (Peninsular). *		
<ul> <li>Demoliti</li> </ul>	ion and rebuild new construction.		
Select po	otential developer or contractor to execute the project.		
<ul> <li>Hand over</li> </ul>	er the project to government or private sector.		
O Promote	e affordable property price.		
Rehabilit	tation		
O Change	Act		
https://docs.google.com/for	ms/d/14Nws56GwDERH8t2-NPX3TYJKJPQn2-q41XSK7CrSFg/edt8response=ACYDBNhqrY_gGKwvpZoVZ3o8fRd9BV	11/12	