

**STUDY ON STINGLESS BEE HONEY STABILITY FOR TOOTHPASTE
PRODUCTION**

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**BACHELOR OF CHEMICAL ENGINEERING
UNIVERSITI MALAYSIA PAHANG**

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PRODUCTION**

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Thesis submitted in partial fulfilment of the requirements
For the award of the degree of
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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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Date : 25 MAY 2017

STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree

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Dedicated to my parents and my family.

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LIST OF ABBREVIATIONS

SLS	-	Sodium lauryl sulphate
Spp	-	Species
Bmf	-	Blade motor force
HMF	-	Hydroxymethylfurfural
MFP	-	Sodium monofluorophosphate
NaF	-	Sodium fluoride
NaMFP	-	Sodium monofluorophosphate
Fl	-	Fluoride

LIST OF SYMBOLS

%	Percentage
μg	Microgram
g	Gram
$^{\circ}\text{F}$	Degree Fahrenheit
$^{\circ}\text{C}$	Degree Celsius
meq kg^{-1}	Milliequivalents of solute per kilogram of solvent
Göthe unit	Diastatic index
mg kg^{-1}	Milligram per kilogram
L	Litre
KW	Kilowatt
ml	Millilitre
MPaS	Millipascal-second
w/w	weight per weight