THE EFFECT OF TORCH DISTANCE ON WELDABILITY OF DISSIMILAR WELDING

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A report submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Mechanical Engineering

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I certify that the project entitled "*the effect of MIG torch distance on weldability of dissimilar welding*" is written by Ashaari bin Ibrahim. I have examined the final copy of this project and in my opinion, it is fully adequate in terms of scope and quality for the award of the degree of Bachelor of Engineering. I here recommended it to be accepted in partial fulfilment of the requirements for the degree of Bachelor of Mechanical Engineering.

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LIST OF ABBREVIATIONS

ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ANOVA	Analysis of Variance
ВМ	Base Metal
С	Carbon
Cr	Chromium
CS	Carbon Steel
Cu	Copper
DOE	Design of Experiment
FKM	Fakulti Kejuruteraan Mekanikal
Fe	Ferrous
FZ	Fusion Zone
HAZ	Heat Affected Zone
IMC	Intermetallic Compounds Layer
MIG	Metal Inert Gas
Mn	Manganese
Ni	Nickel
OA	Orthogonal Arrays
SEM	Scanning Electron Microscope
Si	Silicon
SS	Stainless Steel