EFFECT ON EMG SIGNAL FROM UPPER LIMB MUSCLE DURING CONSCIOUS AND SUBCONSCIOUS PERCEPTION

FATIN ZULAIKA BT HASAN

B. ENG. (HONS.) MECHATRONICS ENGINEERING
UNIVERSITI MALAYSIA PAHANG
UNIVERSITI MALAYSIA PAHANG

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EFFECT ON EMG SIGNAL FROM UPPER LIMB MUSCLE DURING CONSCIOUS AND
SUBCONSCIOUS PERCEPTION

FATIN ZULAIKA BT HASAN

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

Faculty of Manufacturing Engineering
UNIVERSITI MALAYSIA PAHANG

JUNE 2016
SUPERVISOR’S DECLARATION

I hereby declare that I have checked this thesis and in my opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Engineering (Hons.) of Mechatronics Engineering.

Signature

Name of supervisor: DR. NIZAM UDDIN AHAMED
Position: Lecturer of Faculty of Manufacturing Engineering
Date:
STUDENT’S DECLARATION

I hereby declare that the work in this thesis is my own except for quotation 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.

Signature : 
Name : FATIN ZULAIKA BT HASAN 
ID Number : FB12029 
Date : 
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LIST OF SYMBOLS

\( \hat{x} \)  Mean

\( N \)  Number of data points

\( \sigma \)  Standard deviation

\( \mu \)  Mean
LIST OF ABBREVIATIONS

EMG     Electromyography
SEMG    Surface Electromyography
RMS     Root Mean Square
MAV     Mean Absolute Value
STD     Standard Deviation
COV     Coefficient of Variance