MODELLING AND SIMULATION OF SIDE MILLING PROCESS USING FINITE ELEMENT ANALYSIS

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BACHELOR OF ENGINEERING
UNIVERSITY MALAYSIA PAHANG
MODELLING AND SIMULATION OF SIDE MILLING USING FINITE ELEMENT ANALYSIS

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Report submitted in partial fulfillment of the requirements
for the award of the degree of
Bachelor of Engineering in Manufacturing Engineering

Faculty of Manufacturing Engineering
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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 in Manufacturing.

Signature

Name of supervisor : Dr. Mebrahitom Asmelash Gebremariam

Position

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.

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\( \gamma \) \quad \text{Rake angle}

\( \alpha \) \quad \text{Clearance angle}

\( \beta \) \quad \text{Wedge angle}
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<td>Al</td>
<td>Aluminium</td>
</tr>
<tr>
<td>C</td>
<td>Carbon</td>
</tr>
<tr>
<td>CAD</td>
<td>Computer aided drafting</td>
</tr>
<tr>
<td>Fe</td>
<td>Iron</td>
</tr>
<tr>
<td>Mn</td>
<td>Manganese</td>
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<tr>
<td>P</td>
<td>Phosphorus</td>
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<tr>
<td>RPM</td>
<td>Revolution per minute</td>
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<tr>
<td>SFM</td>
<td>Square feet per minute</td>
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<td>Si</td>
<td>Silicon</td>
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<td>SKD</td>
<td>Alloy tool steel</td>
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