ERGONOMICS STUDY ON WORKERS IN ELECTRICAL INDUSTRY BY USING SIMULATION ANALYSIS

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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 Master of Science

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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.

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ERGONOMICS STUDY ON WORKERS IN ELECTRICAL INDUSTRY BY USING SIMULATION ANALYSIS

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<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>RULA</td>
<td>Rapid Upper Limb Assessment</td>
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<tr>
<td>REBA</td>
<td>Rapid Entire Body Assessment</td>
</tr>
<tr>
<td>MSDs</td>
<td>Musculoskeletal Disorder</td>
</tr>
<tr>
<td>WMSDs</td>
<td>Work-related Musculoskeletal Disorders</td>
</tr>
<tr>
<td>VMI</td>
<td>Visual Monitor Inspection</td>
</tr>
<tr>
<td>LBP</td>
<td>Low Back Pain</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute of Occupational Safety and Health</td>
</tr>
<tr>
<td>CDC</td>
<td>Center for Disease Control and Prevention</td>
</tr>
<tr>
<td>NAICS</td>
<td>North American Industry Classification System</td>
</tr>
<tr>
<td>OWAS</td>
<td>Ovako Working Posture System</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>HAL</td>
<td>Hand Activity Level</td>
</tr>
<tr>
<td>LMM</td>
<td>Lumbar Motion Monitor System</td>
</tr>
<tr>
<td>SOCSO</td>
<td>Social Security Organization</td>
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<tr>
<td>GDP</td>
<td>Gross Domestic Product</td>
</tr>
<tr>
<td>RSI</td>
<td>Repetitive Stress Injuries</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
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<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>MLM</td>
<td>Manufacturing Lifestyle Management</td>
</tr>
<tr>
<td>IP</td>
<td>Intellectual property</td>
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