

MACHO RESEARCH GROUP

Name	Expert Areas (max 3)	Master Thesis Title	Ph.D Thesis Title
Isa Halim	Industrial Ergonomics	Ergonomics Participatory Opportunities for Occupational Health Enhancement in Malaysian SMIs	Risk Factors Information and Analysis of Muscle Activity in Prolonged Standing Job Relating to Decision Support System
Puvasvaran A. Perumal	Manufacturing System (Lean Manufacturing), System Integration and Quality System	Tqm Practice In Iso 9000 Certified Manufacturing Company: A Case Study In Nsem	Implementation Of Lean Process Management Through Enhance Problem Solving Capabilities
Adi Saptari	Operations research; Ergonomics and technology Management	PC Based Algorithm for the Selection of Material Handling Equipment for A Distribution Warehouse Based on Least Annual Cost and Operating Parameters	An Efficient Method for Quadratically Constrained Quadratic Programs with Application to Multi-Objective Response Surface
Muhammad Syafiq Syed Mohamed	Kansei Engineering Ergonomics	Tiada	An Approach In Integrating Safety And Usability Into An Automotive Navigation Interface
Radin Zaid Radin Umar	Human Factors Engineering, Ergonomics, User Experience	Ergonomic Interventional Design of an Articulated Arm for Echocardiography Application	Investigation of Factors Influencing the Adoption of Safety-Related Changes during the Early Stages of Implementation: An Exploratory Study
Nur Farah Bazilah Wakhi Anuar	Casting And Manufacturing Technology	The Effect Of Forging Temperature On The Properties Of Biodegradable Mg-0.7ca Alloy For Implant Application	
Azwan Aziz	1. Keselamatan dan Kesihatan Pekerjaan. 2. Indoor Air Quality 3. Industrial Hygiene	Heat Stress Exposure Among Steel and Automotive Workers in Peninsular Malaysia.	
Nadiah Ahmad	Industrial Engineering		Riser Feeding Evaluation Method for Metal Castings Using Numerical Analysis.
611 (?)	Project Management (?), Facilities Management, Civil & Structural Engineering	Formulation of Key Performance Indicators Through Implementation of Private Finance Initiatives In Student Hostel Privatisation At Universiti Teknikal Malaysia Melaka	Optimising The Role Of Facilities Management (FM) In The Property Development Process (DP): The Development Of An FM-DP Integration Framework

Effendi Mohamad	Lean Manufacturing; Manufacturing System and Technology Management	Lean Manufacturing Implementation: A study on The Development of Key Performance Indicators (KPIs) At Aerospace Manufacturing Company	A simulation and modeling approach to lean manufacturing
Nurul Ain Maidin	Manufacturing Design, Product Design And Development	-	-
Mohd Hidayat Ab Rahman	Manufacturing Engineering, Ergonomics		
Mohd Syaiful Rizal Abd Hamid	Quality Management, Technology Management And Sustainable Development	Performance Management Of Onkyo Electric Malaysia Sdn Bhd	An Exploratory Study Of Techno-Quality Management In The Future Context