Jones De Vol. 5, 2012 Marie de Vol. 5, 2012



5th International Seminar on Industrial Engineering & Management (5th ISIEM)

"Innovation in technology, information, and management concerning worldwide economic challenge"

February 14-16, 2012 Aston Hotel, Manado, Indonesia

Organized by:















Sponsored by:





Supported by:



Indonesian Industrial Engineering Higher Education Association

ISSN: 1978-774X

Proceeding

The 5th International Seminar on Industrial Engineering and Management (5th ISIEM)

BOOK TWO

Aston Hotel, Manado, Indonesia February 14th – 16th, 2012

Organized by : **Industrial Engineering Department of**













Sponsored by:



Supported by:





Book Two

PS - Production System

No	Code	Title and Author	Page
1	R02	Configuration of an Industrial Ethernet Network to Control a Flexible Manufacturing System Joe Kwan Hoei	PS – 1
2	R35	Batch Scheduling In Two-Stage Flowshop With Common And Dedicated Machine To Minimize Total Actual Flow Time Pratya Poeri Suryadhini	PS - 8
3	R38	Improvement Of Assembly Line Design In PT. SMI By Lean Manufacturing Approach Sadzwina Faiza Prasasya, Dida Diah Damayanti	PS – 14
4	R48	Proposal Of Machine Maintenance Planning And Maintenance Information System (Case Study at PT. BBI) Amal Witonohadi, Dannis S. Pramudya	PS - 21
5	R49	Evaluation To Production Performance Considering Departments Distance and Route Time Using Simulation With ARENA Yogi Yogaswara	PS - 27
6	R52	The Usage Of Lean Manufacturing Concept For Reducing Waste Of Corrugated Box Cardboard Production (Case Study: at Converting Division, PT. Purinusa Eka Persada Bandung) Resha Akbar, Rd. Rohmat Saedudin, Haris Rachmat	PS - 32
7	R59	Inventory Control Of The Products For Special Sale Model Y M Kinley Aritonang, Feronika	PS - 44
8	R64	Application Synchronous Manufacturing By Using Drum-Buffer-Rope And Promodel Simulation Tiena Gustina Amran, Annisa Pranowo	PS - 49
9	R74	Considering The Time Value Of Money Into The Lot Size Decision In Material Requirement Planning Arum Sari, Ade Agus Junaedi	PS – 57
10	R75	A Preliminary Study On Safety Stock Placement Problems With Stochastic Lead Times Carles Sitompul, Dedy Suryadi, Johanna Hariandja	PS - 63
11	R82	Applying Theory Of Constraint And Particle Swarm Optimization Method To Determine The Quantity Of Product Mix Sumiharni Batubara, Rahmi Maulidya, I Komang Mahendradata	PS - 67
12		Comparison Performance Analysis Between Heuristic Pour, Nawaz Enscore And Ham (NEH) Algorithm In Completing The Flowshop Scheduling At PT. XYZ Lina Gozali, Lamto Widodo, Teddy Kurniawan	PS – 73
13		Applying Multi Population Genetic Algorithm to Multi Objective Scheduling System Rahmi Maulidya, Sumihami Batubara and Mochammad Iman Fachry	PS – 81