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8th INTERNATIONAL SEMINAR ON INDUSTRIAL ENGINEERING AND MANAGEMENT (8th ISIEM)

*Technopreneurship as The Spirit of Innovation-Based
Industrial Development
Towards Global Competitiveness*



ISIEM

**Atria Hotel & Conference
Malang, East Java, Indonesia
March 17 – 19, 2015**

*Tarumanagara University, Trisakti University,
Al Azhar Indonesia University, Esa Unggul University,
Atma Jaya Catholic University of Indonesia,
Pasundan University, Telkom University,
& University of Muhammadiyah Malang*

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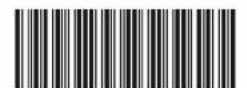


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PROCEEDING

The 8th International Seminar on Industrial Engineering
and Management (8th ISIEM)

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Atria Hotel & Conference, Malang, Indonesia
March 17 – 19, 2015

Organized by: **Industrial Engineering Department of**

- Tarumanagara University • Trisakti University •
- Esa Unggul University • Al Azhar Indonesia University •
- Atma Jaya Catholic University of Indonesia • Pasundan University •
- Telkom University • University of Muhammadiyah Malang •

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PREFACE

Dear Presenters and Delegates,

On behalf of the Organizing Committee, I am honored to welcome you to the 8th International Seminar on Industrial Engineering and Management (ISIEM). This seminar is organized by the Industrial Engineering Department from eight Universities, namely Tarumanagara University, Trisakti University, Esa Unggul University, Pasundan University, Atma Jaya Catholic University of Indonesia, Al Azhar Indonesia University, Telkom University and University of Muhammadiyah Malang.

This seminar is held to provide an effective forum for distinguished invited speakers, academicians, engineers, professionals and practitioners from Universities, research institutions, government agencies and industries to share or exchange ideas, experiences and recent progress in Industrial Engineering and Management.

We are very convinced that our presenter and delegates will gain many shared ideas and great experiences from this conference. Furthermore, our participants will enjoy additional insights from our plenary sessions' speakers, i.e., Associate Prof. Dr. Montalee Sasananan from Thammasat University, Thailand and Prof. Younghwan Lee, Ph.D from Kumoh National Institute of Technology, South Korea.

Through this seminar, we are committed to promote sustainable innovation in industrial technology, information and management in order to increase industrial competitiveness in facing the global challenges in industrial environment. Once again, it is my great honor to welcome you to the 8th International Seminar on Industrial Engineering and Management (ISIEM) 2015 in the great cultural city of Malang, Indonesia.

Best wishes,

Chair of the 8th ISIEM 2015
Dr. Ir. Lamto Widodo, M.T.

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21. Ilyas Masudin, Ph.D. (University of Muhammadiyah Malang, Indonesia)

AGENDA

Day 1 (March 17, 2015)

- 18:00 - 18:30 Registration
18:30 - 19:30 Dinner
19:30 - 19:45 Opening Ceremony: Representation of Tarumanagara , Trisakti, Esa Unggul, Pasundan, Al Azhar Indonesia, Atma Jaya, Telkom and Muhammadiyah Malang University's greeting
19:45 - 21:00 Keynote # 1
Assc. Prof. Dr. Montalee Sasananan
(Thammasat University, Thailand)

Day 2 (March 18, 2015)

- 6:30 - 8:00 Breakfast and Registration
8:00 - 9:15 Keynote # 2
Prof. Younghwon Lee, Ph.D
(Kumoh National Institute of Technology, South Korea)
9:15 - 9:30 Coffee and Tea Break
9:30 - 12:00 Parallel session #1
12:00 - 13:00 Lunch break
13:00 - 15:30 Parallel session #2
15:30 - 15:45 Coffee and Tea Break
18:15 - 20:00 Dinner

Day 3 (March 19, 2015)

- 6:30 - 8:30 Breakfast
8:30 - 10:00 Parallel session #3
10:00 - 17:00 City Tour

PARALLEL SESSION

MARCH 18 SESSION 1 ROOM 1 (QM, ER)

Moderator : Budi Aribowo, S.T., M.Si.

Time	Paper	Code	Paper Code
9.30-9.45	DEVELOPMENT OF CREATIVE COLORING TECHNIQUE IN ELECTROPLATING Paryana Puspaputra, Kamariah Indonesia Islamic University	QM	32
9.45-10.00	QUALITY ANALYSIS USING FMEA METHOD ON ASSEMBLY PROCESSES OF WASHING MACHINE (CASE STUDY IN PANASONIC MANUFACTURING INDONESIA) Rifa Arifati, Ardika Rismayana University of Pembangunan Nasional Veteran Jakarta	QM	11
10.00-10.15	DESIGNING THE ATTRIBUTES OF FOOD PRODUCTS USING QUALITY FUNCTION DEPLOYMENT (QFD) PHASE II Muhamad Bazarado, Yurida Ekawati Ma Chung University	QM	22
10.15-10.30	CHROME RECYCLING PROCESS OF TANNERY LEATHER INDUSTRY WASTE USING LIMES Rosad Ma'ali El Hadi, Rino Andias A., Haris Rachmat Telkom University	QM	38
10.30-10.45	ANALYSIS OF HUMAN ERROR PROBABILITY USING HUMAN ERROR ASSESSMENT & REDUCTION TECHNIQUE (HEART) IN DYEING DEPARTMENT PT. XYZ Fildzah Amimah Abbas and Budi Aribowo Al Azhar Indonesia University	ER	91
10.45-11.00	IMPLEMENTATION OF POKA YOKE ON ADMINISTRATION OF THE PALM OIL MILL M. Hudori Citra Widya Edukasi Polytechnic of Palm Oil Bekasi	QM	41
11.00-11.15	QUALITY ENGINEERING OF CRUDE PALM OIL (CPO): USING MULTIPLE LINEAR REGRESSION TO ESTIMATE FREE FATTY ACID M. Hudori, Muhammad Citra Widya Edukasi Polytechnic of Palm Oil, Bekasi Malikussaleh University	QM	63
11.15-11.30	IMPLEMENTATION FAILURE MODE AND EFFECT ANALYSIS (FMEA) METHOD AND KNOWLEDGE MAP (CASE STUDY PT. GSB) Rina Fitriana, Dorina Hetharia, Vella Denisha Trisakti University	QM	64
11.30-11.45	ANALYSIS TO DETERMINE THE SUITABLE COATING MATERIALS FOR ENVIRONMENTAL FRIENDLY COMPOSITES FROM OIL PALM EMPTY BUNCH FIBERS Dorina Hetharia, Andy Cahyaputra Arya, Indra Surjati, Rully Ario Dewanto Soeriaatmaja, Doni Putra Almi Trisakti University	QM	80
11.45-12.00	WALL MOUNTED STORAGE FOR HOME APPLIANCE DESIGN Indra Gunara Rochyat, Geggy Gamal Surya Esa Unggul University	ER	100

MARCH 18 SESSION 1 ROOM 2 (PS)

Moderator : Dr. Ir. Tiena G. Amran

Time	Paper	Code	Paper Code
9.30-9.45	COMPARING ALTERNATIVE PLANT LAYOUTS BASED ON CRAFT AND BLOCPAN ALGORITHMS Leonardo, Hotma Antoni Hutahaeen, Hui-Ming Wee Atma Jaya Catholic University of Indonesia Chung Yuan Christian University	PS	03
9.45-10.00	STORE LAYOUT FOR VIRTUAL RETAILING: A LITERATURE REVIEW Ilyas Masudin, Mukhlis Fuadi University of Muhammadiyah Malang	PS	13
10.00-10.15	OPTIMIZATION OF PREVENTIVE MAINTENANCE PROGRAM AND TOTAL SITE CREW FOR BASE TRANSCIEVER STATION (BTS) USING RELIABILITY CENTERED MAINTENANCE (RCM) AND LIFE CYCLE COST (LCC) METHOD Rd. Rohmat Saedudin, Judi Alhilman, Fransiskus Tatas Dwi Atmaji Telkom University	PS	23
10.15-10.30	THE PRODUCTION PLANNING FOR PROFIT MAXIMIZATION (A CASE STUDY AT A COCOA PROCESSING INDUSTRY) Syamsul Anwar, Yunizurwan, Jasril Padang Industrial Technology Academic	PS	24
10.30-10.45	FRAMEWORK FOR E-LEARNING CONTENT DEVELOPMENT ON FACILITY PLANNING SUBJECT Muhammad Iqbal, Devi Pratami, Ika Arum Puspita Telkom University	PS	25
10.45-11.00	EMS-SCADA DESIGN OF AC USAGE ON A BUILDING Haris Rachmat, Rino Andias Anugraha, Tatang Mulyana Telkom University	PS	43
11.00-11.15	ELECTRICITY PLANNING THROUGH RENEWABLE ENERGY UTILIZATION IN NORTH KALIMANTAN Yudha Prasetyawan, Suparno, Imam Baihaqi Sepuluh Nopember Institute of Technology	PS	71
11.15-11.30	SAFETY STOCK DETERMINATION BASED ON DISTURBANCE CONTROL MODEL AT PT DEE Iveline Anne Marie, Fahmi M. Prasetyo, Nora Azmi Trisakti University	PS	55
11.30-11.45	IMPLEMENTATION OF QUEING THEORY AND HEURISTIC METHOD FOR SHCEDULING SYSTEM OF XYZ AUTO SERVICE CENTER Cut Fiarni, Sonna Kristina, Julia Rintjap Harapan Bangsa Institute of Technology (ITHB)	PS	62
11.45-12.00	COST BASED ELEVATOR SCHEDULING IN UNIVERSITY OF AL AZHAR INDONESIA Niken Parwati, Clamaya Arin Nurpraja, Firza Ibrahim Kartohadiprodjo, Ainun Jariyah, Dimas Ayu Mardhika Al Azhar Indonesia University	PS	89

MARCH 18 SESSION 1 ROOM 3 (DSS)

Moderator : Dr. Dadang Surjasa, S.Si., M.T.

Time	Paper	Code	Paper Code
9.30-9.45	APPLICATION ANALYTIC HIERARCHY PROCESS (AHP): A CASE STUDY OF E-WASTE MANAGEMENT IN SURABAYA, INDONESIA Dino Rimantho, Bambang Cahyadi, Denny Dermawan Pancasila University Surabaya Shipbuilding State Polytechnic	DSS	08
9.45-10.00	THE DESIGN OF KNOWLEDGE MANAGEMENT SYSTEM IN PT. ASMIN BARA BRONANG Dadan Umar Daihani, Riana Elisabeth Swastika Trisakti University Trisakti International Bussines School	DSS	19
10.00-10.15	PLANNING ROUTE DISTRIBUTION OF IKM DM USING THE METHODS VEHICLE ROUTING PROBLEM (VRP) AND SHORTEST-ROUTE ALGORITHM Nunung Nurhasanah, Syarif Hidayat, Devi Utami Agustini, Ajeng Putri Listianingsih, Faikar Zakky Haidar, Nida'ul Hasanati Al Azhar Indonesia University	DSS	20
10.15-10.30	DECISION SUPPORT SYSTEM FOR POTENTIAL SALES AREA OF PRODUCT MARKETING USING CLASSIFICATION AND CLUSTERING METHODS Evasaria M. Sipayung, Cut Fiarni, Randy Tanudjaya Harapan Bangsa Institute of Technology	DSS	42
10.30-10.45	ANALYSIS OF WEB-BASED INTEGRATED INFORMATION SYSTEM ON PRODUCTION PLANNING AND CONTROL FOR SMALL AND MEDIUM SCALE GARMENT INDUSTRY Nida'ul Hasanati, Dody Haryadi, Nunung Nurhasanah, Syarif Hidayat, Ajeng Listianingsih, Faikar Zakky Haidar, Devi Utami Agustin Al Azhar Indonesia University	DSS	70
10.45-11.00	KNOWLEDGE MANAGEMENT ACHIEVING STRATEGY BUSINESS ALIGNMENT IN HIGHER EDUCATIOAN Riya Widayanti Esa Unggul University	DSS	58
11.00-11.15	DEVELOPMENT OF EXPERT SYSTEM-BASED COMPUTER AIDED PROCESS PLANNING FOR PRODUCTION COST ESTIMATION Muhammad Ridwan Andi Purnomo Islamic University of Indonesia	DSS	60
11.15-11.30	MANAGEMENT INFORMATION SYSTEM FOR PRINTING MACHINE ASSIGNMENT PROCESS WITH TABU SEARCH ALGORITHM Evasaria M. Sipayung, Arief Samuel Gunawan, Teofilus Harapan Bangsa Institute of Technology	DSS	66
11.30-11.45	ASSESSING KNOWLEDGE MANAGEMENT SYSTEMS' SUCCESS BASED ON TECHNICAL AND SOCIAL FACTORS Amalia Yuli Astuti, Kadarsah Suryadi Bandung Institute of Technology	DSS	67
11.45-12.00	ICT ECOSYSTEM IN OPEN GOVERNMENT DATA INITIATIVE IN INDONESIA Meldi Rendra Telkom University	DSS	58

MARCH 18 SESSION 2 ROOM 1 (SCM)

Moderator : Ir. Arief Suwandi, M.T.

Time	Paper	Code	Paper Code
13.00-13.15	SUPPLIER SELECTION WITH THE INTEGRATION OF DEMATEL (DECISION MAKING TRIAL AND EVALUATION LABORATORY) AND AHP (ANALYTIC HIERARCHY PROCESS) : A LITERATURE REVIEW Wahyu Eko Setiawan, Ilyas Masudin, Fien Zulfikarijah University of Muhammadiyah Malang	SCM	05
13.15-13.30	THE APPLICATION OF GREEN SUPPLY CHAIN MANAGEMENT IN ELECTRONIC INDUSTRY INDONESIAN: A LITERATURE REVIEW Akhmad Jakfar, Fien Zulfikarijah, Ilyas Masudin University of Muhammadiyah Malang	SCM	09
13.30-13.45	THE ROLE OF MANUFACTURING SUPPLY CHAIN ANALYSIS IN MEETING CUSTOMER NEEDS OF BATIK SHIRT Sutarman, Refa Septiyanto Pasundan University	SCM	10
13.45-14.00	THE DRIVERS OF CHOOSING THIRD-PARTY LOGISTIC (3PL) PROVIDERS: A FRAMEWORK MODEL USING STRUCTURAL EQUATION MODELING Ilyas Masudin, Suci Dewi Ayurarasati, Dana Marsetya Utama University of Muhammadiyah Malang	SCM	14
14.00-14.15	SUPPLY CHAIN MODEL DESIGN FOR "WEDANG UWUH" SMALL AND MEDIUM ENTERPRISE (SME) IN DAERAH ISTIMEWA YOGYAKARTA (CASE STUDY ON PROGRESS JOGJA SME) Vembri Noor Helia, Dwi Handayani Islamic University of Indonesia	SCM	30
14.15-14.30	DETERMINATION OF SUPPLIER SELECTION CRITERIA USING ANALYTICAL HIERARCHY PROCESS IN THE FOOD COMPANY Winarno, Hendra Janaka, Suryani Karawang Singaperbangsa University, Karawang, Indonesia	SCM	36
14.30-14.45	THE STUDY OF THIRD PARTY LOGISTIC USAGE IN EAST JAVA Annisa Kesy Garside University of Muhammadiyah Malang	SCM	39
14.45-15.00	DESIGN OF COLD CHAIN THIRD-PARTY LOGISTICS (3PL) FOR HALAL FOOD IN INDONESIA Tiena Gustina Amran Trisakti University	SCM	51
15.00-15.15	ROUTE AND TRANSPORTATION COSTS ANALYSIS CONSIDERING THE CITY LOGISTICS SYSTEM FOR SINGLE DEPOT PROBLEM (CASE STUDY: JABABEKA INDUSTRIAL AREA COMPANIES) Yogi Yogaswara Pasundan University	SCM	52
15.15-15.30	RISK IDENTIFICATION OF CACAO AGROINDUSTRY SUPPLY CHAIN Iphov Kumala Sriwana, Yandra Arkeman, Dahrul Syah, Marimin Bogor Agriculture Institute Indonesia Esa Unggul Universitas	SCM	88

MARCH 18 SESSION 2 ROOM 2 (ER)

Moderator : Ir. Toto Ramadhan, M.T.

Time	Paper	Code	Paper Code
13.00-13.15	USER-DESIGNER INTERACTION IN CULTURE-BASED PRODUCTS : A REVIEW LITERATURE Ratih Setyaningrum, Andi Rahadiyan Wijaya, Subagyo Gadjah Mada University	ER	17
13.15-13.30	WARNING DISPLAY DESIGN FOR THE TRANSJAKARTA BUS COCKPIT TO MINIMIZE THE DRIVER'S ERROR BEHAVIOR Dian Mardi Safitri, Astari Malinda, Nora Azmi, Pudji Astuti Trisakti University	ER	26
13.30-13.45	DESIGN TOOL FOR TRANSFERRING PATIENT TO IMPROVE NURSES WORKING POSTURE WITH ERGONOMIC APPROACH Muhammad Iqbal, Eva Zaliha S, Amanda Puspita P, I Gede Wisuda P Telkom University	ER	28
13.45-14.00	DESIGN OF KANSEI LAUNDRY BAG BY USING FIBER OF WATER HYACINTH (<i>EICHHORNIA CRASSIPES</i>) Hartomo Soewardi, Amarria Dila Sari, and Ginanjar Maulana Anom Islamic University of Indonesia	ER	74
14.00-14.15	THE ANALYSIS OF HEALTH AND SAFETY ASPECTS BY USING HAZARD IDENTIFICATION AND RISK ASSESSMENT (HIRA) METHOD Dian Palupi Restuputri, Mochammad Fakhri University of Muhammadiyah Malang	ER	31
14.15-14.30	DEVELOPMENT STUDY OF SWAT SOFTWARE (<i>SUBJECTIVE WORKLOAD ASSESSMENT TECHNIQUE</i>) TO THE OPERATING SYSTEM WINDOWS-BASED 64-BIT (Case study at Ergonomic Labs Industrial Engineering Bandung Pasundan University) Erwin Maulana Pribadi, Agung Kurniawan Pasundan University	ER	37
14.30-14.45	FRAMEWORK DEVELOPMENT AND MEASUREMENT OF OPERATOR WORKLOAD USING <i>MODIFIED COOPER HARPER SCALE METHOD</i> (Case Study in PT Sinar Terang Logamjaya Bandung West Java) Rizki Wahyuniardi, M. Yani Syafei, Wahyukaton Pasundan University	ER	44
14.45-15.00	ANALYSIS OF NOISE LEVEL AND ITS EFFECTS ON WORKERS IN A CEMENT PLANT Syamsul Anwar, Musliyardi Ilham Padang Industrial Technology Academic	ER	46
15.00-15.15	DEVELOPMENT OF <i>COST-BENEFIT</i> CALCULATION MODEL IN HANDLING LOW BACK PAIN FROM THE ERGONOMIC PERSPECTIVE Istianah Muslim, Sri Gunani Partiw Polytechnic of Caltex Riau Sepuluh Nopember Institute of Technology	ER	50
15.15-15.30	DESIGN OF SACHEL BAG FROM THE FIBERS OF PINEAPPLE LEAVES BY USING KANSEI ENGINEERING METHOD Hartomo Soewardi, Riska Aminatun Zahroh, Hudaya Islamic University of Indonesia	ER	75

MARCH 18 SESSION 2 ROOM 3 (IM)

Moderator : Lina Gozali , S.T., M.M.

Time	Paper	Code	Paper Code
13.00-13.15	DESIGN AND MAKING OF TELEVISION ADVERTISEMENT OF PD. BPR BANK JOGJA WITH <i>VISUAL EFFECT</i> Mei Parwanto Kurniawan, Agus Purwanto, Hafidh Rezha Maulana Informatics Engineering Master Program, STMIK AMIKOM Yogyakarta Informatics Engineering, STMIK AMIKOM Yogyakarta Yogyakarta, Indonesia	IM	12
13.15-13.30	THE ALGORITHM FOR NEGOTIATING PRICES IN A PALM OIL SUPPLY CHAIN Syarif Hidayat Al Azhar Indonesia University	IM	16
13.30-13.45	DESIGN OF IT GOVERNANCE MODEL IN XYZ COLLEGE Rizqi Sukma Kharisma, Anggit Dwi Hartanto STMIK AMIKOM Yogyakarta	IM	18
13.45-14.00	EBOLA VIRUS DISEASE PREVENTION - A PROBLEM SOLVING STRATEGY BASED ON SARS CASE STUDY FROM TAIWAN Simon Wu Chung Yuan Christian University	IM	27
14.00-14.15	FRUGAL INNOVATION CHARACTERISTICS: MARKET, PRODUCT AND BUSINESS PERSPECTIVE Teddy Sjafrizal Telkom University	IM	34
14.15-14.30	LABWORK MANAGEMENT INFORMATION SYSTEM SATISFACTION MEASUREMENT IN INDUSTRIAL ENGINEERING STUDY PROGRAM TELKOM UNIVERSITY Rayinda Pramuditya Soesanto, Amelia Kurniawati, Muhammad Iqbal Telkom University	IM	47
14.30-14.45	DESIGNING A MULTIDIMENSIONAL DATA WAREHOUSE FOR PROCUREMENT PROCESSES ANALYSIS USING BUSINESS DIMENSIONAL LIFECYCLE METHOD (CASE STUDY ON PT. ABC) Ari Yanuar Ridwan Telkom University	IM	57
14.45-15.00	BRAND EQUITY AS A HIGHER STANDARD OF LIVING AND WEALTH IN DEVELOPMENT COUNTRY: THE STRATEGIC ROLE OF INTEGRATIVE MODEL ON CONSUMER-BASED BRAND EQUITY TO REDUCE INDONESIAN POVERTY Maria Mia Kristanti Widya Mandala Catholic University	IM	59
15.00-15.15	CUSTOMERS CLUSTERING BASED ON RFM SCORE USING GENETIC ALGORITHM Muhammad Ridwan Andi Purnomo, Nur Riana Fajarwati Islamic University of Indonesia	IM	61
15.15-15.30	PROPOSED BUSINESS PROCESS USING BUSINESS PROCESS IMPROVEMENT AT EMERGENCY DEPARTEMENT OF DUSTIRA HOSPITAL Fadhila Rachmawati, Sri Widaningrum, Mira Rahayu Telkom University	IM	78

MARCH 18 SESSION 3 ROOM 1 (DSS, IM, PS, QM)

Moderator : Dr. Ir. Nofi Erni, M.M.

Time	Paper	Code	Paper Code
15.45-16.00	STUDY OF <i>ABILITY TO PAY AND WILLINGNESS TO PAY FOR PASSANGER OF COMMUTER LINE JAKARTA-BOGOR</i> Pudji Astuti, Vania Tertia Trisakti University	IM	101
16.00-16.15	KNOWLEDGE MANAGEMENT ENABLERS FOR THE ASSESSMENT OF KMS READINESS IMPLEMENTATION Gilang Ramadhan, Luciana Andrawina Telkom University	DSS	83
16.15-16.30	3D SOLAR SYSTEM VISUALIZATION WITH OpenGL Feby Fitria, Riri Safitri Al Azhar Indonesia University	DSS	90
16.30-16.45	DESIGN OF KNOWLEDGE ACQUISITION MODEL IN GLAUCOMA MEDICAL TREATMENTS RECOMMENDER SYSTEM Cut Fiarni Harapan Bangsa Institute of Technology	DSS	48
16.45-17.00	GROUP REPLACEMENT MODEL FOR SCHEDULING OF TOOLS REPLACEMENT CONSIDERING QUALITY COST, PREVENTIVE AND FAILURE REPLACEMENT COST Dadang Arifin, Rinto Yusriski, Dwi Putri Ramasari Ahmad Yani University	PS	35
17.00-17.15	CONTENT ANALYSIS SILICA (SiO ₂) IN PROCESS WATER DETERMERALISATION WITH 4M METHOD Sukanta, Hendra Janaka, Rian Arie Permana Karawang Singaperbangsa University	QM	82
17.15-17.30	THE HOLISTIC MODEL OF NEW PRODUCT DEVELOPMENT PROCESS Ronald Sukwadi Atma Jaya Catholic University of Indonesia	QM	94
17.30-17.45	DESIGNING QUALITY ASSURANCE SYSTEM FOR RAW MATERIAL ACCEPTANCE PROCESS IN BATIK INDUSTRIES USING BUSINESS PROCESS IMPROVEMENT METHOD Dida Diah Damayanti, Luciana Andrawina, Sri Widaningrum, HandaruJati Telkom University	QM	97
17.45-18.00	IDENTIFICATION OF KNOWLEDGE MANAGEMENT SYSTEM FOR QUALITY IMPROVEMENT OF NATURAL FIBER CRAFT INDUSTRY Nofi Erni, Iphov Kumala S., Riya Widayanti Esa Unggul University	DSS	92
18.00-18.15	RELIABILITY ANALYSIS OF BLOOD LEAKAGE DETECTION SYSTEM Pratondo Busono Center for Information and Communication Technology, BPPT Al Azhar Indonesia University	QM	77
18.15-18.30	PRODUCTION TARGET ACHIEVEMENT MODEL DEVELOPMENT USING BINARY LOGISTIC REGRESSION METHOD IN PT. HANSAE KARAWANG INDONESIA Ade Momon S., Ikbal Wijaya Karawang Singaperbangsa University	PS	72

MARCH 18 SESSION 3 ROOM 2 (ER, IM)

Moderator : Praty Poeri Suryadhini., S.T., M.T.

Time	Paper	Code	Paper Code
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16.30-16.45	PROTOTYPE OF BOOK PREVIEW USING AUGMENTED REALITY ON ANDROID SMARTPHONES Riri Safitri, Aldi Oktavianto, Fahrul Rozi Al Azhar Indonesia University	ER	76
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16.15-16.30	DESIGN OF PERFORMANCE MEASUREMENT SYSTEM IN ENGINEERING DEPARTMENT BASED ON MAINTENANCE SCORECARD FRAMEWORK AND OMAX MODEL: A CASE STUDY OF GLOBAL SANITARY WARE COMPANY Wilson Kosasih, Silvi Ariyanti, Nathan Sukanto Tarumanagara University	IM	81
16.30-16.45	FACTORY PLASTIC BAG LAYOUT DESIGN IN ELITE RECYCLING INDONESIA EXTENSION Lina Gozali, Iveline Anne Marie, Prisca Andriani Tarumanagara University; Trisakti University	PS	01
16.45-17.00	IMPROVEMENT OF KANBAN SYSTEM USING CONSTANT QUANTITY WITHDRAWAL SYSTEM TO FULFILL BUFFER STOCK REPLENISHMENT ON SINGLE AISLE PROJECT AT PT. XX Hadi Muqti, Praty Poeri Suryadhini, Widia Juliani, Dida Diah D. Telkom University	PS	45
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