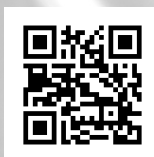


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|--|-------|
| Model Optimasi Perancangan Jaringan Rantai Pasok Biomassa dari Tandan Kosong Kelapa Sawit di Sumatera Barat | 1-13 |
| Febriza Imansuri, Rika Ampuh Hadiguna, Feri Afrinaldi | |
| Model Matematika Dampak Industri 4.0 terhadap Ketenagakerjaan Menggunakan Pendekatan Sistem | 14-24 |
| Rio Aurachman | |
| Model Pengoptimuman Portofolio Mean-Variance dan Perkembangan Praktisnya | 25-36 |
| Ezra Putranda Setiawan, Dedi Rosadi | |
| Usulan Penerapan Total Productive Maintenance pada Mesin Turbin Gas | 37-47 |
| Irnanda Pratiwi | |
| Model Hubungan Antar Pemangku Kepentingan dalam Koordinasi Penanganan Bencana di Kota Padang | 48-54 |
| Dicky Fatrias, Ringga Sri Rahayu Agustia | |
| Basic Emotion Recogniton using Automatic Facial Expression Analysis Software | 55-64 |
| Vivi Triyanti, Yassierli, Hardianto Iridiastadi | |
| Model Kebijakan Perkebunan Nilam di Pasaman Barat dengan Pendekatan Sistem Dinamis | 65-74 |
| Dina Rahmayanti, Rika Ampuh Hadiguna, Santosa, Novizar Nazir | |
| Sistem Pengukuran Kinerja Supply Chain Management Pada Proyek Konstruksi | 75-85 |
| Demi Ramadian, Elita Amrina | |
| Aplikasi Terapi Wicara bagi Remaja Penyandang Disabilitas Intelektual Ringan | 86-96 |
| Thedy Yogasara, Cecilia Stefany | |



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JURNAL OPTIMASI SISTEM INDUSTRI (JOSI)

DAFTAR ISI

Daftar Isi

Editorial

Model Optimasi Perancangan Jaringan Rantai Pasok Biomassa dari Tandan Kosong Kelapa Sawit di Sumatera Barat 1-13

Febriza Imansuri, Rika Ampuh Hadiguna, Feri Afrinaldi

Model Matematika Dampak Industri 4.0 terhadap Ketenagakerjaan Menggunakan Pendekatan Sistem 14-24

Rio Aurachman

Model Pengoptimuman Portofolio Mean-Variance dan Perkembangan Praktisnya 25-36

Ezra Putranda Setiawan, Dedi Rosadi

Usulan Penerapan Total Productive Maintenance pada Mesin Turbin Gas 37-47

Irnanda Pratiwi

Model Hubungan Antar Pemangku Kepentingan dalam Koordinasi Penanganan Bencana di Kota Padang 48-54

Dicky Fatrias, Ringga Sri Rahayu Agustia

Basic Emotion Recogniton using Automatic Facial Expression Analysis Software 55-64

Vivi Triyanti, Yassierli, Hardianto Iridiastadi

Model Kebijakan Perkebunan Nilam di Pasaman Barat dengan Pendekatan Sistem Dinamis 65-74

Dina Rahmayanti, Rika Ampuh Hadiguna, Santosa, Novizar Nazir

Sistem Pengukuran Kinerja Supply Chain Management Pada Proyek Konstruksi 75-85

Demi Ramadian, Elita Amrina

Aplikasi Terapi Wicara bagi Remaja Penyandang Disabilitas Intelektual Ringan 86-96

Thedy Yogasara, Cecilia Stefiany

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EDITORIAL

Journal on Optimization of Systems at Industries (JOSI) Volume 18 Number 1 2019 consists of nine articles from various regions in Indonesia. Most of the articles contained in this edition discuss about system modeling. Several articles on the modeling of industrial optimization systems, namely optimization models of the design of biomass supply chain from oil palm bunches in West Sumatra, Mathematical models for predicting technological developments related to Industry 4.0 which caused the loss of several jobs and formed new business models that will provide new jobs, Patchouli investment models in West Pasaman using a Dynamic system, and performance Measurement Systems of Supply Chain Management on construction projects.

Other models related to the development of concept modeling which is the mean-variance portfolio optimization models and their practical development. This model can be used as a reference for investors to make investments. Another model was built related to disaster management. This article proposes to model an appropriate stakeholder's coordination scheme based on the concept of 3PR (public, private, and people relationship). After successful indicators of disaster response are identified, all candidates of stakeholder are then determined.

In this edition, an article related to the scientific management system is presented. This article approves the application of Total Productive Maintenance in gas turbine engines. Two other articles related to the human factors in engineering. One article models the way a person shows his emotions. This article presents the design of a mobile application as a speech therapy tool for teenagers with mild intellectual disability. The design process began with the identification of user needs, followed by the design of application concepts using a design workshop.

JOSI editorial team would like to thank all the authors who have contributed to this edition. Thank you also goes to the reviewers who have worked hard to improve the quality of all articles in this edition. All of these articles will contribute to the transition of ideas and knowledge in the field of Industrial Engineering.

Hilma Raimona Zadry

Editor-in-Chief