



ISSN 2580-2887 (print)
ISSN 2580-2895 (online)

Jurnal Sistem dan Manajemen Industri

Vol 4, No 1, July 2020

- Balancing a multistage vehicle number plate production line using effective cycle time model 1 - 12
Stephen C. Nwanya, Celestine N. Achebe
- Increased line efficiency by improved work methods with the ECRS concept in a washing machine production: a case study 13 - 29
Asariella Findya Octa Pertiwi, Rahmaniyyah Dwi Astuti
- Design of tools to reduce the risk level of work postures at warping station 30 - 40
Indira Kusuma Wardani, Irwan Iftadi, Rahmaniyyah Dwi Astuti
- Simulated annealing algorithm for solving the capacitated vehicle routing problem: a case study of pharmaceutical distribution 41 - 49
Anak Agung Ngurah Perwira Redi, Fiki Rohmatul Maula, Fairuz Kumari, Natasha Utami Syaveyenda, Nanda Ruswandi, Annisa Uswatun Khasanah, Adji Chandra Kurniawan
- Implementation of lean manufacturing to enhance the efficiency of acrylic resins production process 50 - 60
Sahrupi Sahrupi, Gerry Anugrah Dwiputra, Uswatun Chasanah
- Waste analysis of fuselage assembly in panelization group of the 117th NC212i aircraft 61 - 71
Frisca Pomalia, Irwan Iftadi, Rahmaniyyah Dwi Astuti
- Plan do check action (PDCA) method: literature review and research issues 72 - 81
Sarah Isniah, Humiras Hardi Purba, Fransisca Debora

Universitas Serang Raya

p-ISSN 2580-2887
e-ISSN 2580-2895

Jurnal Sistem dan Manajemen Industri

Vol 4, No. 1, July 2020

Editorial Arrangement

Editor in Chief

Supriyadi, ST., MT., IPM. (Universitas Serang Raya, Indonesia)

Associate Editors

Ivan Kristianto Singgih, Ph.D. (Korea Advanced Institute of Science and Technology, South Korea)

Md. Zahid Hasan, B.Sc. Eng. (Rajshahi University of Engineering and Technology, Bangladesh)

Nurul Retno Nurwulan, Ph.D (Universitas Sampoerna, Indonesia)

Dr. Dina Rahmayanti, M.Eng. (Universitas Andalas, Indonesia)

Nurul Aziza, ST., MT. (Universitas Maarif Hasyim Latif Sidoarjo, Indonesia)

Mohamad Jihan Shofa, ST., MT. (Universitas Serang Raya, Indonesia)

Nelfiyanti, ST. M.Eng. (Universitas Muhammadiyah Jakarta, Indonesia)

Eka Indah Yulistyari ST., MT. (Universitas Serang Raya, Indonesia)

Editorial Board

Ir. Markus Hartono S.T., M.Sc., Ph.D., CHFP., IPM. (Universitas Surabaya, Indonesia)

Professor António Abreu (Polytechnic Institute of Lisbon, Lisboa, Portugal)

Dr. Huseyin Kursat Celik (Akdeniz Üniversitesi, Antalya, Turkey)

Nadia Belu, Ph.D. (University of Pitesti, Romania)

Desmond Eseoghene Ighravwe, Ph.D. (Bells University of Technology, Ota, Nigeria)

Dr. Ismail W. R. Taifa (University of Manchester, United Kingdom)

Hindriyanto Dwi Purnomo, Ph.D (Universitas Kristen Satya Wacana, Indonesia)

L. Tri Wijaya Nata Kusuma, ST., MT, Ph.D. (Universitas Brawijaya, Indonesia)

Dr. Dani Yuniarwan, ST., M.MT. (Universitas Merdeka Malang, Indonesia)

Dr. Humiras Hardi Purba, ST, MT. (Universitas Mercu Buana, Indonesia)

Dr. Novi Marlyana, ST., MT. (Universitas Sultan Agung Semarang, Indonesia)

M. Imron Mustajib., ST., MT. (University of Trunojoyo, Indonesia)

Ing. Farid Wajdi, M.Sc. (Universitas Serang Raya, Indonesia)

Editorial Address

Building A, 2nd Floor

Institute for Research and Community Service

Universitas Serang Raya

Open Jurnal Sistem (OJS): <http://e-jurnal.lppmunsera.org/index.php/JSMI/index>

email jurnalsistemindustri@unsera.ac.id

TABLE OF CONTENT

Balancing a multistage vehicle number plate production line using effective cycle time model Stephen C. Nwanya, Celestine N. Achebe.....	1 - 12
Increased line efficiency by improved work methods with the ECRS concept in a washing machine production: a case study Asariella Findya Octa Pertiwi, Rahmaniyah Dwi Astuti.....	13- 29
Design of tools to reduce the risk level of work postures at warping station Indira Kusuma Wardani, Irwan Iftadi, Rahmaniyah Dwi Astuti.....	30 - 40
Simulated annealing algorithm for solving the capacitated vehicle routing problem: a case study of pharmaceutical distribution Anak Agung Ngurah Perwira Redi, Fiki Rohmatul Maula, Fairuz Kumari, Natasha Utami Syaveyenda, Nanda Ruswandi, Annisa Uswatun Khasanah, Adji Chandra Kurniawan.....	41- 49
Implementation of lean manufacturing to enhance the efficiency of acrylic resins production process Sahrupi Sahrupi, Gerry Anugrah Dwiputra, Uswatun Chasanah.....	50 - 60
Waste analysis of fuselage assembly in panelization group of the 117th NC212i aircraft Frisca Pomalia, Irwan Iftadi, Rahmaniyah Dwi Astuti.....	61 - 71
Plan do check action (PDCA) method: literature review and research issues Sarah Isniah, Humiras Hardi Purba, Francisca Debora.....	72 - 81