

P-ISSN : 2528 - 0260

E-ISSN : 2579 - 5392

# **JEECS**

## **Journal of Electrical Engineering and Computer Sciences**

Volume 3 | Number 1 | June 2018



<https://ejournal.ubhara.ac.id/index.php/jeeecs>

**Published by**  
Faculty of Engineering  
Universitas Bhayangkara Surabaya

# JEECS

## Journal of Electrical Engineering and Computer Sciences

---

Volume 3 | Number 1 | June 2018

### Editorial Team

#### **Advisor**

Dean of Engineering Faculty Universitas Bhayangkara Surabaya

#### **Editor-in-Chief**

R. Dimas Adityo, S.T., M.T.

*Universitas Bhayangkara Surabaya, Indonesia*

#### **Editors Members**

Eko Prasetyo, S.Kom., M.Kom.

*Universitas Bhayangkara Surabaya, Indonesia*

Ir. Wiwiet Herulambang, M.Cs.

*Universitas Bhayangkara Surabaya, Indonesia*

Richa Watiasih, S.T., M.T.

*Universitas Bhayangkara Surabaya, Indonesia*

Rifki Fahrial Zainal, S.T., M.Kom.

*Universitas Bhayangkara Surabaya, Indonesia*

Arif Arizal, S.Kom., M.Cs.

*Universitas Bhayangkara Surabaya, Indonesia*

Rani Purbaningtyas, S.Kom., M.T.

*Universitas Bhayangkara Surabaya, Indonesia*

Masnurul Hamidah, S.ST., M.T.

*Universitas Bhayangkara Surabaya, Indonesia*

Herti Miawarni, S.T., M.T.

*Universitas Bhayangkara Surabaya, Indonesia*

M. Mahaputra Hidayat, S.Kom., M.Kom.  
*Universitas Bhayangkara Surabaya, Indonesia*

**Secretariat**

Faculty of Engineering  
Universitas Bhayangkara Surabaya  
Jl. Ahmad Yani 114, Surabaya, Indonesia, 60231  
Telp. (031) 8285602

**Publisher**

Faculty of Engineering  
Universitas Bhayangkara Surabaya  
<https://ejournal.ubhara.ac.id/index.php/jeeecs>

# JEECS

## Journal of Electrical Engineering and Computer Sciences

---

Volume 3 | Number 1 | June 2018

Journal of Electrical Engineering and Computer Sciences (JEECS) is a scientific journal that presents and updated scientific articles in the field of Electrical Engineering and Computer Sciences research among academics and practitioners alike, including power system, electrical engineering, industry automation, mechatronics, computer sciences, informatics, and information system.

This journal is dedicated for the author or researcher who has focused in the field of technology and intending on publication and sharing knowledge the novel technology include, but are not limited to, the following topics: Data Mining, Informatics algorithm methodology, Mobile Computing, Automation, Power, Green Technology, Advanced Computer Networks, Image Processing, Computer Vision, Robotics Technology, Decision Support System, Big Data, Data Sciences, Internet of Things, Network Security, Virtual Reality, etc.

Publishing articles on this journal can be submitted online to our OJS system or you can read complete information / instructions for author. The articles which would like to publish is selected go through a selection process by partner reviewer and / or editors.

This Journal is published periodically twice a year on June and December. For further information, send your email to [jeecs@ubhara.ac.id](mailto:jeecs@ubhara.ac.id)

Journal of Electrical Engineering and Computer Sciences indexed in Crossref and Google Scholar.

[This Page Intentionally Left Blank]

### Table of Contents

<b>Real Time Fishpond Monitoring to Optimize a Nursery Freshwater With Distribution Database</b> <i>Agung Kridoyono, Mochamad Sidqon</i> .....	333 - 340
<b>Cryptography on Audio Files Using the Blowfish Algorithm</b> <i>Nuniek Fahriani, Onny Kartika Waluya</i> .....	341 - 352
<b>Real Time Monitoring System Eggtray Production Process PT.Sinar Era Box Gresik</b> <i>Muhammad Rosyid Kurniawan, Rifki Fahrial Zainal, R. Dimas Adityo</i> .....	353 - 362
<b>Forecasting Sales Prices Apartment Using Fuzzy Tsukamoto (Case Study My Tower Apartment)</b> <i>Ayu Purnamasari, Wiwiet Herulambang, R. Dimas Adityo</i> .....	363 - 368
<b>Decision Support System For Selecting Tourism Object in Surabaya City Using Simple Additive Weighting Based On Android</b> <i>Putri Agustin Merditawati, M. Mahaputra Hidayat, Rahmawati Febrifyaning Tias</i> .....	369 - 376
<b>Eye Black Circle Of Milkfish Segmentation on HSV Color Space</b> <i>Eko Prasetyo</i> .....	377 - 380
<b>Inventory Management System Using QR Code on Android A Case Study in Computer Engineering Department</b> <i>Renza Ilhami Rizqi, Nurul Azizah Rohma, Kittiwani Nimkerdphol</i> .....	381 - 388
<b>Instant Cement Forming Using Holt-Winter (Case Study: CV. Trijaya Abadi)</b> <i>Devit Hari Firmanto, Eko Prasetyo, Mas Nurul Hamidah</i> .....	389 - 394
<b>Clasification System of Library Book Based on Similarity of the Book Title Using K-Means Method (Case Study Library Of Bhayangkara Surabaya)</b> <i>Arif Mardi Waluyo, Eko Prasetyo, Arif Arizal</i> .....	395 - 404
<b>Recurrent Neural Network (RNN) Based Bearing Fault Classification Of Induction Motor Employed in Home Water Pump System</b> <i>Bambang Purwahyudi</i> .....	405 - 412

