

# JURNAL

## ILMU PENGETAHUAN & TEKNOLOGI KOMPUTER

**Vol. 8. No. 1 August 2022**

**ISSN: 2685-8223 (Printed)**

**ISSN: 2527-4864 (Online)**



**Publisher:**

Lembaga Penelitian dan Pengabdian Masyarakat Universitas Nusa Mandiri  
Jl. Jatiwaringin Raya No. 02 RT 08 RW 013 Kelurahan  
Cipinang Melayu Kecamatan Makassar Jakarta Timur 13620  
Phone: 021 28534471  
<http://ejournal.nusamandiri.ac.id/index.php/jitk/index>



### EDITORIAL BOARD

- Advisors : Chairman of Universitas Nusa Mandiri
- Responsible Person : Chairman of LPPM Universitas Nusa Mandiri
- Editor In Chief : Ruhul Amin, M.Kom  
Profile: ID Scopus: 57224841038 | Universitas Nusa Mandiri
- Associate Editors : Daning Nur Sulistyowati, M.Kom  
Profile: Scopus ID: 57208283626 | Universitas Nusa Mandiri
- Nurajijah, M.Kom  
Profile: ID Scopus: 57208282684 | Universitas Nusa Mandiri
- Board of Editors : Dr. Raimon Efendi,S.A.B,M.Kom  
Profile: Scopus ID: 57208861363 | Universitas Dharmas Indonesia
- Alfa Saleh, M.Kom  
Profile: Scopus ID: 57200210551 | Universitas Potensi Utama
- Dinar Ajeng Kristiyanti, M.Kom  
Profile: Scopus ID: 57191189495 | Universitas Bina Sarana Informatika
- Ninuk Wiliani, M.Kom  
Profile: Scopus ID: 57212350451 | Institut Teknologi & Bisnis BRI
- Anggi Oktaviani, M.Kom  
Profile: Scopus ID : 57205210550 | Universitas Nusa Mandiri
- Eni Irfiani, M. Kom  
Profile: Scopus ID : 57210461376 | Universitas Bina Sarana Informatika
- Esron Rikardo Nainggolan, M.Kom  
Profile: Scopus ID : 57208281339 | Universitas Nusa Mandiri
- Ari Pambudi, M.Kom  
Profile : Univ. Indonusa Esa Unggul
- Ummu Radiyah, S.Kom., M.Eng.  
Profile : Universitas Nusa Mandiri
- Taufik Hidayatulloh, M.Kom  
Profile : Universitas Bina Sarana Informatika
- Reviewers : Prof. Dr. Dwiza Riana, S.Si, MM, M.Kom  
Profile: ID Scopus: 56242366200 | Universitas Nusa Mandiri
- Dr. Didi Rosiyadi, M.Kom  
Profile: ID Scopus: 55355563700 | Pusat Penelitian Informatika LIPI

Dr. Windu Gata, M.Kom

Profile: Scopus ID: 57193213766 | Universitas Nusa Mandiri

Dr Hilman Ferdinandus Pardede, S.T, MEICT

Profile: ID Scopus: 55351397700 | Pusat Penelitian Informatika LIPI

Dr. Foni Agus Setiawan, M.Kom

Profile: ID Scopus: 56669695700 | Universitas Ibn Khaldun Bogor,  
Indonesia

Adil Setiawan, M.Kom

Profile: ID Scopus: 57200211356 | Universitas potensi utama

Agung Wibowo, M.Kom

Profile: ID Scopus: 57203100012 | Universitas Bina Sarana Informatika

Taufik Baidawi, M.Kom

Profile: ID Scopus: 57200216518 | Universitas Bina Sarana Informatika

Sopiyan Dalis, M.Kom

Profile: ID Scopus: 57208282541 | Universitas Bina Sarana Informatika

Sukmawati Anggraeni Putri, M.Kom

Profile: ID Scopus: 57200216199 | Universitas Nusa Mandiri

Nurmalasari, M.Kom

Profile: ID Scopus: - | Universitas Nusa Mandiri

Bambang Krismono Triwijoyo, M.Kom

Profile: ID Scopus: 57193868829 | STMIK Bumi Gora Mataram

Sri Hadiani, M.Kom

Profile: Universitas Nusa Mandiri

Bahtiar Imran, S.ST., M.TI

Profile: ID Scopus: 57198810908 | Universitas Teknologi Mataram

Dimas Sasongko, S.Kom., M.Eng.

Profile: ID Scopus: 57193503355 | Universitas Muhammadiyah Magelang

Rohmat Gunawan, M.T.

Profile: ID Scopus: 57211267688 | Universitas Siliwangi

Rohmat Indra Borman, M.Kom.

Profile: ID Scopus: 57205615323 | Universitas Teknokrat Indonesia

Pressa Perdana Surya Saputra, ST., MT.

Profile: ID Scopus: 57210972475 | Universitas Muhammadiyah Gresik

Galih Abdul Fatah Maulani, S.Kom., M.Kom.  
Profile: ID Scopus: 57202308014 | Universitas Garut

Ardhin Primadewi, S. Si, M. TI  
Profile: ID Scopus: 57210971067 | Universitas Muhammadiyah Magelang

Editorial Address : Kampus Universitas Nusa Mandiri Tower Jatiwaringin  
Jl. Jatiwaringin Raya No. 02 RT 08 RW 013 Kelurahan Cipinang Melayu  
Kecamatan Makassar Jakarta Timur 13620

Website : <http://ejournal.nusamandiri.ac.id/index.php/jitk>

Editorial Email : [redaksi.jitk@nusamandiri.ac.id](mailto:redaksi.jitk@nusamandiri.ac.id) or [jurnal.jitk@gmail.com](mailto:jurnal.jitk@gmail.com)

## PREFACE

Editor of JITK (Jurnal Ilmu Pengetahuan dan Teknologi Komputer), said praise and gratitude to the presence of Allah S.W.T, creator of the universe who mastered knowledge as wide as heaven and earth, for the abundance of grace and gifts that have been given to JITK editors to publish JITK Vol. 8, No. 1 August 2022, which is used by lecturers, researching, and professionals as a medium or media to publish publications on the findings of research conducted in each semester.

JITK is published 1 (one) year for 2 (two) times at the end of each semester, JITK editors receive scientific articles from the results of research, reports / case studies, information technology studies, and information systems, which are oriented to the latest in science and information technology in order to be a source of scientific information that is able to contribute to the increasingly complex development of information technology.

The editor invited fellow researchers, scientists from various tertiary institutions to make scientific contributions, both in the form of research results and scientific studies in the fields of management, education, and information technology. The editors really expect input from readers, information technology professionals, or those related to publishing, for the sake of increasing the quality of journals as we all hope.

The editor hopes that the scientific articles contained in the JITK scientific journal will be useful for academics and professionals working in the world of management, education, and information technology

Chief Editor



## TABLE OF CONTENTS

FRONT MATTER .....	i
EDITORIAL BOARD.....	iii
PREFACE .....	vi
TABLE OF CONTENTS .....	viii
1. DECISION SUPPORT SYSTEM USING FUCOM-MARCOS FOR AIRLINE SELECTION IN INDONESIA Gede Surya Mahendra .....	1-9
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2219">https://doi.org/10.33480/jitk.v8i1.2219</a>	
2. IDENTIFY CHOLESTEROL DISEASE RISK LEVELS USING MULTIPLE LINEAR REGRESSION ALGORITHMS Deny Haryadi, Dewi Marini Umi Atmaja .....	10-17
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.3328">https://doi.org/10.33480/jitk.v8i1.3328</a>	
3. IMPROVING THE PERFORMANCE OF SUPPORT VECTOR MACHINE WITH FORWARD SELECTION FOR PREDICTION OF CHRONIC KIDNEY DISEASE Esty Purwaningsih .....	18-24
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.3327">https://doi.org/10.33480/jitk.v8i1.3327</a>	
4. IMPLEMENTATION OF ARAS ALGORITHM ON DECISION SUPPORT SYSTEM TO DETERMINE THE BEST LECTURER Supriatin Supriatin, Alex Rizky Saputra, Budy Satria .....	25-32
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.3152">https://doi.org/10.33480/jitk.v8i1.3152</a>	
5. EVALUATING USER ENGAGEMENT AND READING BEHAVIOR ASPECTS OF WEB VISITORS BY ANALYZING INDICATORS ON GOOGLE ANALYTICS DATA Shumaya Resty Ramadhani.....	33-39
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2996">https://doi.org/10.33480/jitk.v8i1.2996</a>	
6. SI/IT STRATEGIC PLANNING USING WARD AND PEPPARD METHODS (CASE STUDY: PT. XY) Rediva Kezia Wijanarko.....	40-45
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2979">https://doi.org/10.33480/jitk.v8i1.2979</a>	
7. 3D ANIMATION DESIGN "SCIENCE, LANTERNS TO HEAVEN" USING THE POSE-TO-POSE METHOD Desy Apriliyanti, Juniardi Nur Fadila, Fresy Nugroho .....	46-55
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2231">https://doi.org/10.33480/jitk.v8i1.2231</a>	
8. PACKAGE RECEIVER BOX BASED ON IOT USING FUZZY MAMDANI AND MOBILE APPLICATION Ilham Firman Firman Ashari, Arimbi Ayuningtyas .....	56-64
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2982">https://doi.org/10.33480/jitk.v8i1.2982</a>	
9. SENTIMENT ANALYSIS ON THE PERMENDIKBUD CONCERN PREVENTION AND TREATMENT OF SEXUAL VIOLENCE IN HIGHER EDUCATIONAL ENVIRONMENTS USING SUPPORT VECTOR MACHINE (SVM) Reinhard Alfaries Saemani, Nina Setiyawati .....	65-71
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2807">https://doi.org/10.33480/jitk.v8i1.2807</a>	
10. ACCOUNTING APPLICATION FOR CONSTRUCTION GOODS PROCUREMENT RECORDING (CASE STUDY PT. PLN (PERSERO) UPT CIREBON) Widya Jati Lestari, Agus Sevtiana, Alitia Rachmawati.....	72-77
DOI : <a href="https://doi.org/10.33480/jitk.v8i1.2277">https://doi.org/10.33480/jitk.v8i1.2277</a>	