

JURNAL

ILMU PENGETAHUAN & TEKNOLOGI KOMPUTER

Vol. 6. No. 2 Februari 2021

ISSN: 2685-8223 (Printed)

ISSN: 2527-4864 (Online)



Publisher:

Pusat Penelitian Pengabdian Masyarakat STMIK Nusa Mandiri

Jl. Damai No. 8 (Margasatwa) Pasar Minggu

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

EDITORIAL BOARD

- Advisors : Chairman of STMIK Nusa Mandiri
- Responsible Person : Chairman of PPPM STMIK Nusa Mandiri
- Editor In Chief : Nurajjah, M.Kom
Profile: ID Scopus: 57208282684 | STMIK Nusa Mandiri
- Associate Editors : Daning Nur Sulistyowati, M.Kom
Profile: Scopus ID: 57208283626 | STMIK Nusa Mandiri
- Esron Rikardo Nainggolan, M.Kom
Profile: ID Scopus: 57208281339 | STMIK Nusa Mandiri
- Board of Editors : Dinar Ajeng Kristiyanti, M.Kom
Profile: Scopus ID: 57191189495 | STMIK Nusa Mandiri
- Anggi Oktaviani, M.Kom
Profile: Scopus ID: 57205210550 | STMIK Nusa Mandiri
- Mohammad Badrul, M.Kom
Profile: Scopus ID: 57208284399 | STMIK Nusa Mandiri
- Sopiyan Dalis, M.Kom
Profile: Scopus ID: 57208282541 | Universitas Bina Sarana Informatika
- Rani Irma Handayani, M.Kom
Profile: Universitas Bina Sarana Informatika
- Ninuk Wiliani, M.Kom
Profile: Institut Teknologi & Bisnis BRI Jakarta, Indonesia
- Nurvi Oktiani, MM
Profile: Universitas Bina Sarana Informatika
- Ari Pambudi, M.Kom
Profile: Univ. Indonusa Esa Unggul
- Reviewers : Dr. Didi Rosiyadi, M.Kom
Profile: ID Scopus: 55355563700 | Pusat Penelitian Informatika LIPI
- Dr. Windu Gata, M.Kom
Profile: Scopus ID: 57193213766 | STMIK Nusa Mandiri
- Dr. Sfenrianto, M.Kom
Profile: ID Scopus: 55371811200 | Universitas Bina Nusantara
- 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

Agung Wibowo, M.Kom
Profile: ID Scopus: 57203100012 | Universitas Bina Sarana Informatika

Taufik Baidawi, M.Kom
Profile: ID Scopus: 57200216518 | Universitas Bina Sarana Informatika

Frieyadie, M.Kom
Profile: ID Scopus: 57200212078| ORCID | STMIK Nusa Mandiri

Sukmawati Anggraeni Putri, M.Kom
Profile: ID Scopus: 57200216199 | STMIK Nusa Mandiri

Sopiyan Dalis, M.Kom
Profile: ID Scopus: 57208282541 | Universitas Bina Sarana Informatika

Bambang Krismono Triwijoyo, M.Kom
Profile: ID Scopus: 57193868829 | STMIK Bumi Gora Mataram

Editorial Address : Kampus STMIK Nusa Mandiri
Jl. Kramat Raya No, 18, Kwitang Senen Jakarta Pusat
Indonesia

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

Editorial Email : redaksi.jitk@nusamandiri.ac.id or 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. 5, No. 2 February 2020, 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	v
TABLE OF CONTENTS	vii
1. COMPARISON OF REGIONAL CLUSTER ANALYSIS ACCORDING TO INCLUSIVE DEVELOPMENT INDICATORS IN JAVA ISLAND 2018 BETWEEN HIERARCHICAL AND PARTITIONING CLUSTERING STRATEGIES Akhmad Fatikhurriq, Arie Wahyu Wijayanto.....	143-150
DOI : https://doi.org/10.33480/jitk.v6i2.1939	
2. APRIORI ALGORITHM IMPLEMENTATION TO DETERMINE PURCHASE PATTERNS OF RAW MATERIALS AT PT PENJALINDO NUSANTARA Dedi Rozaq Prastyo, Sri Dianing Asri.....	151-158
DOI : https://doi.org/10.33480/jitk.v6i2.1909	
3. NEW STUDENT ADMISSIONS INFORMATION SYSTEM WITH CLIENT SERVER BASED SMS GATEWAY Zulhipni Reno Saputra Elsi, Gita Rohana, Vera Nuranjani	159-166
DOI : https://doi.org/10.33480/jitk.v6i2.1377	
4. COMPARATIVE ANALYSIS OF SOFTWARE EFFORT ESTIMATION USING DATA MINING TECHNIQUE AND FEATURE SELECTION Abdul Latif, Lady Agustin Fitriana, Muhammad Rifqi Firdaus	167-174
DOI : https://doi.org/10.33480/jitk.v6i2.1968	
5. IMPLEMENTATION OF ENSEMBLE TECHNIQUES FOR DIARRHEA CASES CLASSIFICATION OF UNDER-FIVE CHILDREN IN INDONESIA Andriansyah Muqit Wardoyo Saputra, Arie Wahyu Wijayanto.....	175-180
DOI : https://doi.org/10.33480/jitk.v6i2.1935	
6. K-MEANS CLUSTERING AREAS PRONE TO TRAFFIC ACCIDENTS IN ASAHAN REGENCY Nurul Rahmadani, Elly Rahayu, Ayu Lestari.....	181-186
DOI : https://doi.org/10.33480/jitk.v6i2.1519	
7. THE EFFECT OF STUDENT BEHAVIOR ON THE USE OF CAMPUS JOURNALS BY ADOPTING THE TAM METHOD Asrul Sani, Augusta Pratama Wibawa, Nur Nawaningtyas Pusparini, Adrial Rusyid, Anton Hindardjo	187-194
DOI : https://doi.org/10.33480/jitk.v6i2.1969	
8. IMPLEMENTATION OF PARTICLE SWARM OPTIMIZATION BASED MACHINE LEARNING ALGORITHM FOR STUDENT PERFORMANCE PREDICTION Muhammad Iqbal, Irwan Herliawan, Ridwansyah Ridwansyah, Windu Gata, Abdul Hamid, Jajang Jaya Purnama, Yudhistira Yudhistira	195-204
DOI : https://doi.org/10.33480/jitk.v6i2.1695	
9. DEVELOPMENT DASHBOARD HR LEARNING BASED OLAP IN LIFE INSURANCE COMPANY William Frado Pattipeilohy, Sanwani Sanwani, Ade Priyatna	205-210
DOI : https://doi.org/10.33480/jitk.v6i2.1664	

10. DETERMINATION OF PERMANENT LECTURERS IN IBM ASMI INFORMATION SYSTEM PRODUCT WITH SAW AND CURRENT METHOD
Rendi Septian, Istiqal Hadi, Ridwansyah Ridwansyah, Windu Gata, Widiastuti Widiastuti, Muhammad Iqbal..... 211-216
DOI : <https://doi.org/10.33480/jitk.v6i2.1740>

11. THE DEPLOYMENT OF REVENUE CYCLE ACCOUNTING INFORMATION SYSTEM IN THE SERVICE BUSINESSES OWNED BY THE REGIONAL GOVERNMENT OF WEST NUSA TENGGARA PROVINCE
Rafa Karimah, Karimah, Izzari Amperaningrum, Ninuk Wiliani 217-226
DOI : <https://doi.org/10.33480/jitk.v6i2.1971>

12. SYSTEMATIC LITERATURE REVIEW: IMPLEMENTATION OF KNOWLEDGE MANAGEMENT IN THE ORGANIZATION
Azizah Nurfauziah Yusril, Evy Nurmiati..... 227-232
DOI : <https://doi.org/10.33480/jitk.v6i2.1929>

13. ANALYSIS OF SHOE ORDERING PATTERN AT PT. PRATAMA ABADI INDUSTRI USING THE APRIORI ALGORITHM
Retno Wati, Imron Imron, Albert Riyandi 233-240
DOI : <https://doi.org/10.33480/jitk.v6i2.2118>