CONTENTS

Preface i
Conference committee ii
Abstract from keynote session iii
Contents vi

Cluster - 1: ICT and Social Issues

The Effect of Customers Satisfaction Level with Service of Online Transportation and Public Transportation in Banda Aceh City
Rachmat Fasil Isda, Raja Khalid Aljabar C1 – 01

Generating of Automatic Disaster Hashtag Based on Ocha Standard
Kharisma Wiati Gusti, Rila Mandala C1 – 04

Solar-Powered Vacuum Cleaner Robot (ROBOCLEAN) as Innovative Way to Actualize Sustainable Energy Towards Sustainable Development Goals
Andika Prima Sandi, Purwaditya Purwana C1 – 09

Preparing Language Teachers for ICT-Based Language Learning: A Focus on Student Teachers’ Multimodal Literacy Level
Satrio Aji Pramono C1 – 18

The Effect of using Prezi Presentation Software in Teaching English Speaking Skill For the Eleventh Grade IPA Students of SMA Negeri 1 Palangka Raya
Aldo Prabowo Bandan, Aliya Izet Begovic Yahya C1 – 22

Smartphones Application for Ageing and People with Disabilities
Patrick Ananto Priantoro C1 – 26

Collaborative Governance Budgeting: Strategy for ICT Education Funding The Frontier, Outermost, and Disadvantaged Regions in Indonesia
Rossi Adi Nugroho, Binti Azizatun Nafi’ah C1 – 29

Teaching Students of Remote Area English Pronunciation Through (Call) Sephonics Software
Ahmad Lizamuddin, Abdul Asib, Ngadiso C1 – 35

Implementing Information Technology Service Management (ITSM) to Support The Development of E-Government in Indonesia
   Ajeng Retno Wulan, Sri Suning Kusumawardani, Wing Wahyu Winarno

Reaching The Poor Using ICT: The Challenge in Development and Implementation of Mobile Apps for Integrated Referral and Service System
   Kodrat Mahatma, Bayu Waseso

Perceptions of Parents on M-Learning Through Whatsapp Application
   Zutri Parwines, Fadilla Ayuningtyas

Vice Presidential Election Prediction Periode 2019 -2024 using Simple Additive Weighting
   Aviv Yuniar Rahman, Mamba’us Sa’adah, Feddy Wanditya Setiawan, Eko Supriyanto

Analysis Quality of Service on GO-J EK Mobile App of Students
   Aviv Yuniar Rahman, Mamba’us Sa’adah, Feddy Wanditya Setiawan, April Lia Hananto, Eko Supriyanto

Susceptible Exposed Infected Resisted (SER) Models on Hoax Spread in Twitter
   Andreas Rony Wijaya, Yosef Ronaldo Lele Boro, Harum Sekar Prativi

Mathematics Learning Media with Augmented Reality (AR) Based on Android Mobile Application
   Aditya Wisnugraha Sugiyarto, Naila Hayu Azizah, Aan Nur Irsyad

Impact of Change in Software Development Project Management Method on Human Resource Behaviour: Case Study in PT. SVM
   Anindo Saka Fitri, Karina Nine Amalia, Andriyan Rizki J atmiko

Usability Testing Mobile Application as an E-Government Service
   Irawaty Evalina Sitanggang, Sri Suning Kusumawardani, Wing Wahyu Winarno

ICT Integration in the Implementation of Flipped Learning Model at EFL Classroom
   Nirva Indriyani, Purnawati

Developing A-Chemistry-Online Learning Based on Learning Technology System Architecture (LTSA)
   Ari Kusumaningsih, Cucun Very Angkoso, Arik Kurniawati, Mochammad Kautsar Sophan
Visualization Code Tools for Teaching and Learning Introductory Programming
Arik Kurniawati, Ari Kusumaningsih, Mochammad Kautsar Sophan

The use of Padlet in EFL Classroom: A Case Study of PMPBI Students 2017 of State University of Jakarta
Hana Amanda Putri, Muhamad Nur Farizul Umam

HiFi (History Fun Learning): Historical Learning Media to Improve the Knowledge of Indonesian Heroes Based on ‘Construct’ For Elementary School Students in Yogyakarta
Ammar Muhammad, Aditya Wisnugraha Sugiyarto, Abror Faturohman

Giving Teachers’ Feedback of Elearning Through Google Classroom to Develop English Language Skills
Fardhi Afindra Putra, Indah Janie Franciska Hia, Ulyatul Warotsah

Potential Utilization of ICT-Based Education Applications for Elementary Students in The Suburban Area
Pipiet Alifah, Agus Rimus Liandi

Creating a Disaster Preparedness Inclusion School Through Training of Ability to Face Disaster Threats Based on Multisensory
Mahilda Dea Komalasari, Ahmad Mabruri Wihaskoro

The Existance of Animation in Learning Video. Does it Affect Students’ Academic Achievement?
Findi Citra Kusumasari, Agus Rimus Liandi

Mobile Learning Contains Nature of Science (NOS) to Promote Healthy Food in Junior High Schools
Meyliana, Dr. F. Maria Titin Supriyanti, M.S, Septri Rahayu

Media Development of Histology Android-Based as Learning Resources
Hikmah Supriyati

ICT-Based Learning in English Language Education Study Programme
Siti Drivoka Sulistyaningrum, Atika Herawati

Cluster – 2: Artificial Intelligence and Image Processing

Implementation of Computer Vision using Omni Directional with Canny Edge Detection to Rice Mice in Enhance Agriculture Production in Dinariyah C2 – 01

Visualization of The Breast Cancer Through Raw Data of Temperature on Thermal Imaging (Rat Model Animals) Evy Poerbaningtyas, Agustina Tri Endharti, Setyawan P. Sakti, Respati Suryanto D

Detecting Clickbait Titles in Youtube Indonesia using Naïve Bayes Classifier Jonathan Gunawan, Zahra Putri Agusta C2 – 12

Evaluation of A Meteorological Prediction Model with the Correlation Between Rainfall and Sea Level Using Particle Swarm Optimization Wasfi Qordowi C2 – 17


QR Code as A Knowledge Management Tools Asep Id Hadiana, Wina Witanti C2 – 26

Utilization of Geographic Information Systems (GIS) and Remote Sensing Imagery to Detect the Availability of Green Open Space in Palembang Nurrohman Nafiudin C2 – 30

Detection Method of Compressed JPEG Block Edge to Improve Splicing Manipulation Accuracy Analysis in The Image of JPEG Extension Muhammad Masjun Efendi, Hanif Amarudin, Darmawan Alisaputra C2 – 40

Good Governance in The Creation of Driving Licence with Electronic Driving License (EDL) Arina Manasika, Fathi Izzuddin, Nurul Suwartini, Siti Nuraini C2 – 44

Design of Robot Fire Extinguishing Fire Extinguishers using Technology of Navigation Wall Follower with Arduino Mega, PING Paralax, and TPA81 Distance Sensors in Dinariyah C2 – 48

The 2nd International Conference on Informatics for Development 2018

Cluster - 3 : Computer System and Network

Expert System for Mobile Consulting Services with Position Detection C3 – 01
Istiadi, D. U. Effendy, E. B. Sulistiarini, Rudy Joegijantoro

Basis Path Testing Implementation for Detecting Software Risk Toward Errors and C3 – 06
Failures
Andika Elok Amalia, Emi Iryanti

Topology Analysis of BGP Confederation of iBGP Indonesia Research and C3 – 11
Education Network (IdREN) The Effect of Topology Scheme of QoS
Irwin Wijaya Lahusen, Widyawan, Sri Suning Kusumawardani

Port Knocking Replay Attack Prevention with OTP S/Key and Diffie Hellman Key C3 – 17
Exchange
M. Yusuf Bambang Setiadji, Muhamad Arie Taufik Rido Ganatuloh.

Literature Review of Hardware Trojans for Side Channel Attack and Detection C3 – 21
Techniques
M. Mubdya Barry Sahya, Amiruddin Amiruddin

Performance in Madura
Noor Ifada, Koko Joni, Arik Kurniawati, Mochammad Kautsar Sophan

Designing Application Form of Controller of Salinity Level at Seaweed Dike C3 – 30
Rusmala, Vicky Djusmin, Erfina

Cluster - 4 : Database and Information System

Web Scrapping for Grouping Star Hotels in Yogyakarta using Hierarchical Cluster C4 – 01
Analysis
Devina Gilar Fitri A.S, R.B Fajriya Hakim

A Comparative Study of Sentiment Analysis Using SVM and SentiWordNet C4 – 06
Mohammad Fikri

Cultural Heritage of Indonesia Traditional Houses 3D Model on a Website C4 – 12
Bheta Agus Wardijono, Ire Puspa Wardhani, Linda Wahyu Widianti, Bhakti
Utama G Pamungkas

Individual Appropriation of Technology: Branch Employee Perspectives on Enterprise Information System Transitions
Anas Azhimi Qalban, Faradilah Umami

Budget Transparency on Kebumen Regency Government Website in 2013-2017
Muslim Afandi, Syed Agung Afandi

Selection Criteria Identification of Delivery Service Providers for E-Commerce Companies: Case Study at PT. Hijup
Cahyono Sigit Pramudyono, Aryanto

Decision Tree for Analyzing The Accuracy of Answer Sheet Data in Paper-Based Test
Edy Suharto, Aris Puji Widodo, Suryono

Reminder System Nursing Care with Interface Feasibility Test (Case Study : PKU Muhammadiyah Yogyakarta Hospital)
Deni Luvi Jayanto, Izzati Muhimmah, Ruhyana

Analysis of Effectiveness Particle Swarm Optimization in Improving The Performance of Naive Bayes Algorithm
Muhammad Jaenal, Agung Nugroho, Ikhsan Romli

Payment Information System of Education Cost Based on CodeIgniter Framework
Sutriman, Suprihatin

Development of Integrated Information Systems for Doctor Consulting
Heliawaty Hamrul, Nahrun Hartono, Wisnu Kurniadi

Access Level File using Simple Additive Weighting
Aviv Yuniar Rahman, Mamba’us Sa’adah, Feddy Wanditya Setiawan, April Lia Hananto, Eko Supriyanto

Aslihatul Millah

Designing a M-Learning as a Solution of Change Management
Purbandaru Pandhu Utami, Sri Suning Kusumawardani, Silmi Fauziati
The Prototype Design of Population and Civil Registration Application for Public Services using M-Government Approach
Beauty Ambarsari, Silmi Fauziati, Wing Wahyu Winarno

Medical Record System in Cihampelas Health Center Bandung Barat Regency
Wina Witanti, Burhanudin R, Wahyu F

Early Detection of Nervous Disease Using Expert System and Multimedia
Paryati

The Implementation of Unified Theory of Acceptance and User of Technology (UTAUT) Model to Analyze The Acceptance of Lecturers on Using E-Learning
Feby Artwodini Muqtadiroh, Anisah Herdiyanti, Wahyu Khoirunnisak, Tsuyoshi Usagawa

Analysis and Evaluation of E-Learning at The Faculty of Computer Engineering
Cokroaminoto Palopo University
Nirsal, Suhardi, Fajar Novriansyah Yasir