

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : Filtering for Data Acquisition on Wireless Sensor Network
 Jumlah Penulis : 3 orang
 Status Pengusul : Penulis Pertama
 Identitas Prosiding : a. Judul Prosiding : **5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE) 2018**
 b. ISBN/ISSN : ISBN : 978-1-5386-5529-0, Hal : 180 - 184
 c. Thn Terbit, Tempat Pelaks. : Semarang, 26 - 27 September 2018
 d. Penerbit/Organiser : Proceeding Proceeding ICITACEE 2018 Terindeks Scopus
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 Alamat Artikel :
 f. Terindeks di (jika ada) : <https://www.scopus.com/record/display.uri?eid=2-s2.0-85060490051&origin=resultslist&sort=plf-f&src=s&sid=1dd0d38105318d90ebc368ffc4410119&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2855510072000%29&relpos=0&citeCnt=0&searchTerm=>

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Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi prosiding (10%)	2,5	2,5	2,50
b. Ruang lingkup dan kedalaman pembahasan (30%)	7,0	7,0	7,00
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	7,0	7,0	7,00
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,5	7,5	7,50
Total = (100%)	24,0	24,0	24.00

Semarang,

Reviewer 2



Dr. Wahyudi, S.T., M.T.
 NIP. 196906121994031001
 Unit Kerja : Teknik Elektro FT UNDIP

Reviewer 1



Dr. Eng. Wahyul Amien Syafei, ST, MT
 NIP. 197112181995121001
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Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional <input type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	2,50		2,5
b. Ruang lingkup dan kedalaman pembahasan (30%)	7,50		7,0
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	7,50		7,5
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,50		7,0
Total = (100%)	25,00		24,0

Catatan Penilaian Paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi paper:** Makalah telah ditulis sesuai dengan Guide for Author proceeding IEEE. Terdapat abstract, introduction, hardware design yang memuat metodologi penelitian yang terstruktur, result and discussion, conclusion, dan references.
- Ruang lingkup dan kedalaman pembahasan:** Ruang lingkup makalah cukup fokus dengan pembahasan detil dari teori hingga implementasi.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** Data dari penelitian cukup memadai yang diperoleh dari pengamatan selama penelitian. Selain itu referensi yang digunakan cukup mutakhir, lebih dari 50% berasal dari 5 tahun terakhir.
- Kelengkapan unsur dan kualitas terbitan:** Makalah diterbitkan di prosiding dan telah terindeks di database IEEEExplore dan Scopus.

Semarang,
Reviewer 1



Dr. Eng. Wahyul Amien Syafei, ST, MT
 NIP. 197112181995121001
 Unit Kerja : Teknik Elektro FT UNDIP

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b. Ruang lingkup dan kedalaman pembahasan (30%)	7,50		7,0
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	7,50		7,0
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	7,50		7,5
Total = (100%)	25,00		24,0

Catatan Penilaian Paper oleh Reviewer :

- a) **Kesesuaian dan kelengkapan unsur isi paper:** Makalah yang disampaikan memenuhi syarat unsur pendahuluan, metodologi, pembahasan, kesimpulan, dan daftar pustaka
- b) **Ruang lingkup dan kedalaman pembahasan:** ruang lingkup pembahasan sudah banyak dibahas dan bukan sesuatu yang baru namun pembahasan cukup mendalam
- c) **Kecukupan dan kemutakhiran data/informasi dan metodologi:** Metodologi yang disajikan cukup sederhana sedangkan data yang diperoleh sebagian sudah lebih 10 tahun
- d) **Kelengkapan unsur dan kualitas terbitan:** Makalah cukup lengkap dan dipresentasikan dalam konferensi internasional terindeks scopus

Semarang,
 Reviewer 2


 Dr. Wahyudi, S.T., M.T.
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13 December 2018, Article number 8576940, Pages 180-184

5th International Conference on Information Technology, Computer and Electrical Engineering, ICITACEE 2018; Semarang; Indonesia; 26 September 2018 through 28 September 2018; Category numberCFP1889Z-PRT; Code 143726

Filtering for Data Acquisition on Wireless Sensor Network (Conference Paper)

Sofwan, A. ✉, Sumardi ✉, Ulwiyati, N. ✉

Department of Electrical Engineering, Diponegoro University, Semarang, Indonesia

Abstract

View references (12)

The main source of data sensor is measurement that performed on a physical phenomenon or phenomenon that has been modeled. The obtained data from the sensor measurement may yield errors during measurement. The error may be caused by noise that is coming from the environment where the sensor is installed. The filtering process for the less accurate sensor readings is needed. In this research, two types filtering processes of sensors are used for the sensor node of early detection for landslide disaster in an IoT-based wireless sensor network system. The sensors are an IMU sensor MPU6050 and FC-28 for the moisture sensor. The obtained angular data from the MPU6050 sensor is the result of combining data from accelerometer and gyroscope sensors using complementary filter method. As for the FC-28 humidity sensor uses the R-C low pass filter to get a more accurate reading of soil moisture. The obtained data of sensor with filter indicates the more stable reading results. © 2018 IEEE.

SciVal Topic Prominence ⓘ

Topic: Units of measurement | Sensors | orientation estimation

Prominence percentile: 95.745 ⓘ

Author keywords

complementary filter filter RC low pass filter sensor

Indexed keywords

Engineering controlled terms: Data acquisition Low pass filters Sensor nodes Sensors Soil moisture

Engineering uncontrolled terms: Complementary filters filter Filtering process Gyroscope sensors Moisture sensors Physical phenomena Sensor measurements Sensor readings

Engineering main heading: Moisture control

Funding details

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- 1 Elnahrawy, E., Nath, B.
Cleaning and Querying Noisy Sensors

(2003) *Proceedings of the Second ACM International Workshop on Wireless Sensor networks and Applications, WSNA 2003*, pp. 78-87. Cited 122 times.
ISBN: 1581137648

[View at Publisher](#)
- 2 (2004) *Measurement Computing, Data Acquisition Handbook, 3rd ed.*
Measurement Computing Corporation
- 3 Alexander, B., Ivan, T., Denis, B.
Analysis of noisy signal restoration quality with exponential moving average filter

(2016) *2016 International Siberian Conference on Control and Communications, SIBCON 2016 - Proceedings*, art. no. 7491750. Cited 2 times.
ISBN: 978-146738383-7
doi: 10.1109/SIBCON.2016.7491750

[View at Publisher](#)
- 4 Tajiri, H., Kumano, T.
Input filtering of MPPT control by exponential moving average in photovoltaic system

(2012) *PECon 2012 - 2012 IEEE International Conference on Power and Energy*, art. no. 6450240, pp. 372-377. Cited 3 times.
ISBN: 978-146735019-8
doi: 10.1109/PECon.2012.6450240

[View at Publisher](#)
- 5 Paarmann, L.D.
(2003) *DESIGN and ANALYSIS of ANALOG FILTERS : A Signal Processing Perspective*. Cited 84 times.
Kluwer Academic Publishers

6 Stănescu, D.-G.I., Nicolae, P.-M.T., Dobroiu, A.-G.I., Popa, L.-D.D.
Designing and testing of a second order active RC low-pass filter with different quality factors
(2015) *2014 International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014*, art. no. 7050622. Cited 3 times.
ISBN: 978-147996821-3
doi: 10.1109/ISFEE.2014.7050622
[View at Publisher](#)

7 Solution, S., Accelerometer, I., Measurements, G., Platform, B., Colton, S., Delphi, C.
(2007) *The Balance Filter*

8 Nirmal, K.
(2016) *Noise Modeling and Analysis of An IMU-based Attitude Sensor: Improvement of Pervormance by Filtering and Sensor Fussion*

9 Min, H.G., Jeung, E.T.
Complementary Filter Design for Angle Estimation Using MEMS Accelerometer and Gyroscope 2 Some Problems in Experiment, pp. 1-11.

10 Ozyagcilar, T.
Implementing a tilt-compensated eCompass using accelerometer and magnetometer sensors
(2015) *Freescale*

11 Quoc, D.D., Sun, J., Le, V.N., Tan, N.N.
Sensor fusion based on complementary algorithms using MEMS
(2015) *Int. J. Signal Process. Image Process. Pattern Recognit*, 8 (2), pp. 313-324. Cited 2 times.

12 Higgins, W.T.
(1975) *A Comparison of Complementary and Kalman Filtering*, 1975 (3), pp. 321-325. Cited 2 times.

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The 2018 5th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE)

HOTEL SANTIKA PREMIERE, SEMARANG - INDONESIA

September 26, 2018 – September 28, 2018

The conference entitled "The 2018 5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2018)" provides a forum for researchers, academicians, professionals, and students from various engineering fields and with cross-disciplinary working or interested in the development and design of information technology, computer system, and electrical engineering to interact and disseminate the latest issues and researches. It also offers opportunity to enjoy the heritage and the beauty of Semarang.

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A1. Electronic Circuit & Control (Thursday: September 27, 2018. 13.00 - 15.15) SEWU ROOM

No.	Time	Paper ID	Title	Authors
1	13.00 – 13.15	ECC-01	Magnetic Field Relationship between Distance and Induced Voltage Generated by EMP	Betantya Nugroho and Azli Yahya (Universiti Teknologi Malaysia, Malaysia); Abd Rahim (Mindmatics, Malaysia); Trias Andromeda (Universitas Diponegoro, Indonesia)
2	13.15 – 13.30	ECC-02	Communication Protocol on 64-Channel ECVT Data Acquisition System	Arbai Yusuf (Universitas Indonesia ; C-Tech Labs Edwar Technology, Indonesia)
3	13.30 – 13.45	ECC-03	Cooling System Design Based on Thermoelectric Using Fan Motor on-off Control	Munnik Haryanti (Universitas Dirgantara Marsekal Suryadarma, Indonesia)
4	13.45 – 14.00	ECC-04	Design of The 3D Surface Scanning System for Human Wrist Contour Using Laser Line Imaging	Riky Tri Yunardi (Universitas Airlangga, Indonesia)
5	14.00 – 14.15	ECC-05	Temperature Controlling Using PID Controller on Rice Grain Fluidized Dryer Prototype	Aris Triwiyatno (Diponegoro University, Indonesia)
6	14.15 – 14.30	ECC-06	PID Based Air Heater Controller Implemented With Matlab/Simulink and Arduino Uno	Bambang Supriyo, Dadi Dadi, Sulisty Warjono, Adi Wisaksono, Sri Astuti and Kusno Utomo (Politeknik Negeri Semarang, Indonesia)
7	14.30 – 14.45	ECC-07	Design A Low Cost Wind Direction Sensor With High Accuracy	Yoga Utama (University of Widya Kartika, Indonesia)
8	14.45 – 15.00	ECC-08	Quadruped Robot with Stabilization Algorithm on Uneven Floor using 6 DOF IMU based Inverse Kinematic	Rofiq Prayogo (Diponegoro University, Indonesia)
9	15.00 – 15.15	ECC-09	Design and Characterization of Low-Cost Soft Pneumatic Bending Actuator for Hand Rehabilitation	Mochammad Ariyanto, Joga Setiawan, Rifky Ismail, Ismoyo Haryanto, Tania Febrina and Doni Saksono (Diponegoro University, Indonesia)

A2. Electronic Circuit & Control (Thursday : September 27, 2018. 15.30 - 17.45) SEWU ROOM

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	ECC-10	Predictive Control for Relative Performance Management	Dharma Aryani (State Polytechnic of Ujung Pandang, Indonesia); Nur Asyik Hidayatullah (State Polytechnic of Madiun, Indonesia)
2	15.45 – 16.00	ECC-11	Design and Development of Injection Current Control On Inverter-Based Proportional Resonant Method	Abdul Haris Kuspranoto (Universitas Diponegoro, Indonesia)
3	16.00 – 16.15	ECC-12	Development of Object Tracking System Using Remotely Operated Vehicle Based on Visual sensor	Erwin Saputra and Ronny Mardiyanto (Institut Teknologi Sepuluh Nopember, Indonesia)
4	16.15 – 16.30	ECC-13	Predictive Control Approach for Restricted Areas Avoidance of Autonomous System	Sutrisno Sutrisno, Widowati Widowati, Sunarsih Sunarsih and Kartono Kartono (Diponegoro University, Indonesia)
5	16.30 – 16.45	ECC-14	Kufarm: A Modified Platform of Automation Planting System	Damar Pramuditya (Telkomuniversity, Indonesia); Agung Nugroho Jati and Fairuz Azmi (Telkom University, Indonesia)
6	16.45 – 17.00	ECC-15	Tracking Object based on GPS and IMU Sensor	Wahyudi Wahyudi (Department of Electrical Engineering, Diponegoro University)
7	17.00 – 17.15	ECC-16	Development of Navigation Method of Buoyant Boat for Maintaining Position of The Boat and ROV	Ronny Mardiyanto, Heri Suryoatmojo and Badrut Tamam (Institut Teknologi Sepuluh Nopember, Indonesia)
8	17.15 – 17.30	ECC-17	Development of a Low-Cost Quadrupedal Starfish Soft Robot	Mochammad Ariyanto, Munadi M and Joga Setiawan (Diponegoro University, Indonesia)
9	17.30 – 17.45	ECC-18	Performance Improvement of Robot Warehouse Based on Battery Operational Conditions	Almira Budiyanto, Aris Setiawan and Setyawan Wahyu Pratomo (Universitas Islam Indonesia, Indonesia)

B1. Electric & Power System (Thursday : September 27, 2018. 13.00 - 15.15) MENDUT ROOM

No	Time	Paper ID	Title	Authors
1	13.00 – 13.15	EPS-01	Design and Performance Test of Three Phased SRF-PLL using DSPIC30F4011	Syarief Ali, Iwan Setiawan and Susatyo Handoko (Universitas Diponegoro, Indonesia)
2	13.15 – 13.30	EPS-02	The Effect of Excitation Capacitors on Induction Generators in Loss-of-Grid Events	Mokhammad Isnaeni Bambang Setyonegoro (Universitas Gadjah Mada, Indonesia); Danang Wijaya (UGM, Indonesia); Eka Firmansyah (Universitas Gadjah Mada, Indonesia)
3	13.30 – 13.45	EPS-03	Transient Stability Study in Grid Integrated Wind Farm	Samuel Adi Kusumo (Universitas Gadjah Mada, Indonesia); Lesnanto Multa Putranto (UGM, Indonesia); Tiyono Tiyono (Universitas Gadjah Mada, Indonesia)
4	13.45 – 14.00	EPS-04	Analysis of Energy Potential of Biomass Electricity from Leaf Waste by Using Briquette Method	Herlina Wahab (Sriwijaya University ; University of Indonesia, Indonesia); Rudy Setiabudy (Universitas Indonesia (UI), Indonesia); Akbar Cahyadi (Universitas Indonesia, Indonesia)
5	14.00 – 14.15	EPS-05	DVR to Voltage Sag Mitigation Due to Induction Motor Starting and 3 Phase Fault	Muhammad Kuncoro and Iwa Garniwa (University of Indonesia, Indonesia)
6	14.15 – 14.30	EPS-06	A Single Phase 11-Level Inverter for Photovoltaic Application	Wira Adhitama (Soegijapranata Catholic University, Indonesia)
7	14.30 – 14.45	EPS-07	Design and Implementation of Inverter Single Phase Nine-Level Using PIC18F4550	Natanael Novalutfi (Soegijapranata Catholic University, Indonesia)
8	14.45 – 15.00	EPS-08	Energy Saving Measures and Potential of Energy Efficiency at The University of Surabaya	Fitri Kartikasari (University of Surabaya, Indonesia); Elieser Tarigan (University of Surabaya ; Electrical Engineering, Indonesia); Yunus Fransiscus and Tuani Lidyawati (University of Surabaya, Indonesia)
9	15.00 – 15.15	EPS-09	Design and Simulation of an Asymmetrical 11-Level Inverter for Photovoltaic Applications	Christopher Tjokro and Leonardus Pratomo (Soegijapranata Catholic University, Indonesia)

B2. Electric & Power System (Thursday : September 27, 2018. 15.30 - 17.30) MENDUT ROOM

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	EPS-10	Design of Adaptive PID Controller for Fuel Utilization In Solid Oxide Fuel Cell	Darjat Darjat, Sulistyو Sulistyو and Aris Triwiyatno (Diponegoro University, Indonesia)
2	15.45 – 16.00	EPS-11	Study on Photovoltaic Hosting in Yogyakarta Electric Distribution Network	Faishal Fuad Rahman Soeharto and Kristianto Kristianto Adi Widiatmoko (Universitas Gadjah Mada, Indonesia); Sarjiya Sarjiya (Gadjah Mada University, Indonesia); Lesnanto Multa Putranto (UGM, Indonesia)
3	16.00 – 16.15	EPS-12	Analysis of Grounding System in 150 kV Kudus Substation	Riza Pratama (Diponegoro University, Indonesia)
4	16.15 – 16.30	EPS-13	Maximum Power Tracking of Solar Panel using Modified Incremental Conductance Method	Trias Andromeda (Universitas Diponegoro, Indonesia); Betantya Nugroho (Universiti Teknologi Malaysia, Malaysia); Susatyo Handoko (Universitas Diponegoro, Indonesia); Azli Yahya (Universiti Teknologi Malaysia, Malaysia); Hermawan Hermawan and Mochammad Facta (Diponegoro University, Indonesia); Iwan Setiawan (Universitas Diponegoro, Indonesia)
5	16.30 – 16.45	EPS-14	Electrical Load Forecasting Study Using Artificial Neural Network Method for Minimizing Blackout	Husein Mubarak and Mukhamad Sapanta (Universitas Islam Indonesia, Indonesia)
6	16.45 – 17.00	EPS-15	Comparison Study on Leakage Current of 20 kV Silicon Rubber and Epoxy Resin Insulator Under Dry and Wet Condition	Taryo Taryo (Diponegoro University, Indonesia); Abdul Syakur (Universitas Diponegoro, Indonesia); Hermawan Hermawan (Diponegoro University, Indonesia)
7	17.00 – 17.15	EPS-16	Leakage Current Characteristics of 20 kV Epoxy Resin Insulators Under Variation Humidity	Pertiwi Utami and Hermawan Hermawan (Diponegoro University, Indonesia); Abdul Syakur (Universitas Diponegoro, Indonesia)

No	Time	Paper ID	Title	Authors
8	17.15 – 17.30	EPS-17	Measurement System for Surface Leakage Current at Epoxy Resin Insulating Materials	Abdul Syakur (Diponegoro University, Indonesia); Wahyudi Wahyudi (Departemen Teknik Elektro UNDIP, Indonesia); Jumrianto Jumrianto, Jr (Diponegoro University & NET TV, Indonesia)
9	17.30 – 17.45	EPS-18	Investigation of Direct Grounding System Effect on Modeling of Lightning and Tower in Transmission Line	Agung Nugroho, Mochammad Facta

**C1. Information & Computer Technologies (Thursday : September 27, 2018. 13.00 - 15.15)
KALASAN ROOM**

No	Time	Paper ID	Title	Authors
1	13.00 – 13.15	ICT-01	MRI Image Segmentation using Morphological Enhancement and Noise Removal based on Fuzzy C-means	Robert Setyawan, Mustofa Alisahid Almahfud, Christy Atika Sari, De Rosal Ignatius Moses Setiadi and Eko Hari Rachmawanto (Dian Nuswantoro University, Indonesia)
2	13.15 – 13.30	ICT-02	Measurement on Real-Time Diagnostic of Gastric Tumor Model Using A Wireless Endoscopy System	Novietasari Chisnariandini (University of Indonesia, Indonesia); Arie Pangesti Aji (Universitas Indonesia, Indonesia); Yudiansyah Yudiansyah (University of Indonesia, Indonesia); Prita Dewi Mariyam, Jauharul Fuadi, Yulianto La Elo and Basari Basari (Universitas Indonesia, Indonesia)
3	13.30 – 13.45	ICT-03	Relational Database Structure and Operations Engineering Based on UML Diagram	Lukman Hakim (Bandung Institute of Technology, Indonesia); Sukrisno Mardiyanto (Institut Teknologi Bandung, Indonesia)
4	13.45 – 14.00	ICT-04	Design of Secure IoT Platform For Smart Home System	Arvandy Arvandy and Yoanes Bandung (Institut Teknologi Bandung, Indonesia)
5	14.00 – 14.15	ICT-05	Marker Image Variables Measurement of Augmented Reality in Mobile Application	Ike Windasari, Yudi Windarto and Risma Septiana (Diponegoro University, Indonesia)

No	Time	Paper ID	Title	Authors
6	14.15 – 14.30	ICT-06	Sentiment Analysis and Topic Modelling for Identification of Government Service Satisfaction	Moh Aziz, Ari Firmanto, Ahmad Miftah Fajrin and R. V. Hari Ginardi (Institut Teknologi Sepuluh Nopember, Indonesia)
7	14.30 – 14.45	ICT-07	Prototype of Online Examination on MoLearn Applications Using Text Similarity to Detect Plagiarism	Julianto Lemantara (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia); Dewiyan Sunarto (Institute of Business and Informatic Stikom Surabaya, Indonesia); Bambang Hariadi, Tri Sagirani and Tan Amelia (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia)
8	14.45 – 15.00	ICT-08	Performance Comparison Between AES256-Blowfish and Blowfish-AES256 Combination	Muhammad Muin (Universitas AMIKOM Yogyakarta ; STMIK Bina Patria, Indonesia); Arief Setyanto (Universitas AMIKOM Yogyakarta, Indonesia); Sudarmawan Sudarmawan (AMIKOM Yogyakarta University, Indonesia); Kartika Santoso (STMIK Bina Patria, Indonesia)
9	15.00 – 15.15	ICT-09	A Natural Childbirth Training Simulation in Virtual Environment For Prospective Midwife	Alvin Nugraha, Aulia Faza, Wulan Indayani and Hanny Haryanto (Universitas Dian Nuswantoro, Indonesia); Abas Setiawan (Dian Nuswantoro University, Indonesia)

C2. Information & Computer Technologies (Thursday : September 27, 2018. 15.30 - 17.30)
KALASAN ROOM

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	ICT-10	Halstead Metric for Quality Measurement of Various Version of Statcato	Iwan Binanto (Sanata Dharma University, Indonesia); Bahtiar Saleh Abbas and Nesti Sianipar (Bina Nusantara University, Indonesia); Harco Leslie Hendric Spits Warnars (Bina Nusantara University ; Doctor of Computer Science, Indonesia)
2	15.45 – 16.00	ICT-11	Environmental Health Monitoring with Smartphone Application	Kodrat Iman Satoto, Eko Didik Widiyanto and Sumardi Sumardi (Diponegoro University, Indonesia)

No	Time	Paper ID	Title	Authors
3	16.00 – 16.15	ICT-12	Two-Step Ranking Document Using the Ontology-Based Causality Detection	A. A. I. N. Eka Karyawati and L. A. A. Rahning Putri (Udayana University, Indonesia)
4	16.15 – 16.30	ICT-13	Knowledge Management Model in Syariah Banking	Nurdin Nurdin (Institut Agama Islam Negeri Palu); Sagaf S Pettalongi and Khaeruddin Yusuf (Institut Agama Islam Negeri Palu, Indonesia)
5	16.30 – 16.45	ICT-14	The Spreading of Misinformation online: 3D Simulation	Pardis Pourghomi and Milan Dordevic (American University of the Middle East, Kuwait); Fadi Safieddine (Queen Mary University of London, United Kingdom (Great Britain))
6	16.45 – 17.00	ICT-15	IT Management Flexibility Concept for Higher Education	Wasilah Wasilah (Gajah Mada University (UGM) ; Informatics and Business Institute (IBI DARMAJAYA) Bandar Lampung, Indonesia)
7	17.00 – 17.15	ICT-16	Review on Cost-Value Approach for Requirements Prioritization Techniques	Tan Amelia (Institut Bisnis dan Informatika Stikom Surabaya, Indonesia); Rozlina Mohamed (Universiti Malaysia Pahang, Malaysia)
8	17.15 – 17.30	ICT-17	Critical Success Factor of Information Technology Implementation in Supply Chain Management	Erick Fernando and Surjandy Surjandy (Bina Nusantara University, Indonesia); Harco Leslie Hendric Spits Warnars (Bina Nusantara University ; Doctor of Computer Science, Indonesia); Meyliana Meyliana (Bina Nusantara University, Indonesia); Raymond Kosala (Faculty of Computing ; Media, Indonesia); Edi Abdurachman (Bina Nusantara University, Indonesia)
9	17.30 – 17.45	ICT-18	The Evaluation of Child's Health Monitoring System Using the Usability Testing Approach	Kurniawan Martono (Diponegoro University, Indonesia)

**D1. Telecommunications & Radio Frequency (Thursday : September 27, 2018. 13.00 - 15.00)
PRAMBANAN ROOM**

No	Time	Paper ID	Title	Authors
1	13.00 – 13.15	TRF-01	Study on 2G Termination in Indonesia using BCG Matrix	Alaind Fadrian and Ajib S. Arifin (Universitas Indonesia, Indonesia)

No	Time	Paper ID	Title	Authors
2	13.15 – 13.30	TRF-02	Performance of 8FSK base on PACTOR I protocol over AWGN channels	Mohd Yazid Ab Razak (National University of Malaysia ; Mindmatics Sdn Bhd, Malaysia); Abd Rahim Mat Sidek (Mindmatics Sdn Bhd, Malaysia); Nasharuddin Zainal (Universiti Kebangsaan Malaysia, Malaysia)
3	13.30 – 13.45	TRF-03	Development of Radio Direction Finder using 6 Log Periodic Dipole Array Antennas	Kartiko Nugroho, Azli Yahya and Nor Hisham Khamis (Universiti Teknologi Malaysia, Malaysia); Nuramirah Mohd Nor (Mindmatics Sdn. Bhd., Malaysia); Abd Rahim (Mindmatics, Malaysia); Mohammad Razman Shaari (Mindmatics Sdn. Bhd., Malaysia)
4	13.45 – 14.00	TRF-04	Directional 2x2 MIMO Microstrip Antenna Design and Optimization for LTE Band-3 Application	Tommi Hariyadi and Rizky Megantara (Universitas Pendidikan Indonesia, Indonesia)
5	14.00 – 14.15	TRF-05	High Throughput Wireless Printer Server Based on IEEE 802.11n	Wahyul Amien Syafei (Diponegoro University, Semarang ; Kyushu Institute of Technology, Iizuka, Indonesia); Imam Santoso (Diponegoro University, Indonesia)
6	14.15 – 14.30	TRF-06	Analysis on Batik Water Waste Monitoring System based on LoRa Communication	Michael Stephen Moses Pakpahan, Eko Didik Widiyanto and Risma Septiana (Diponegoro University, Indonesia)
7	14.30 – 14.45	TRF-07	A GIS-based Waste Water Monitoring System Using LoRa Technology	Yudi Windarto and Agung Prasetijo (Diponegoro University, Indonesia); Galang Damara (Universitas Diponegoro, Indonesia)
8	14.45 – 15.00	TRF-08	Filtering for Data Aquisition on Wireless Sensor Network	Aghus Sofwan, Sumardi Sumardi and Nely Ulwiyati (Diponegoro University, Indonesia)

D2. Information & Computer Technologies (Thursday : September 27, 2018. 15.30 - 17.30)
PRAMBANAN ROOM

No	Time	Paper ID	Title	Authors
1	15.30 – 15.45	ICT-19	Ticketing Chatbot Service using Serverless NLP Technology	Eko Handoyo and M Arfan (Diponegoro University, Indonesia); Yosua Alvin Adi Soetrisno (Diponegoro University ; Faculty of Engineering, Indonesia); Maman Somantri, Aghus Sofwan and Enda Sinuraya (Diponegoro University, Indonesia)
2	15.45 – 16.00	ICT-20	Design of Water Quality Control for Shrimp Pond Using Sensor-Cloud Integration	Maman Somantri, Aghus Sofwan, M Arfan, Vivi Endar Herawati and Hafiidhin Abdurrasyiid (Diponegoro University, Indonesia)
3	16.00 – 16.15	ICT-21	A Comparative Study of Image Cryptographic Method	De Rosal Ignatius Moses Setiadi, Eko Hari Rachmawanto and Christy Atika Sari (Dian Nuswantoro University, Indonesia); Ajib Susanto (Universitas Dian Nuswantoro, Indonesia); Mohamed Doheir (Universiti Teknikal Malaysia Melaka, Malaysia)
4	16.15 – 16.30	ICT-22	Handwriting Ownership Recognition using Contrast Enhancement and LBP Feature Extraction based on KNN	Nurul Diyah Ayu Partiningsih, Rizki Ramadhan Fratama, Christy Atika Sari, De Rosal Ignatius Moses Setiadi and Eko Hari Rachmawanto (Dian Nuswantoro University, Indonesia)
5	16.30 – 16.45	ICT-23	Comparison of HSV and LAB Color Spaces for Hydroponic Monitoring System	Thomas Agung S and Setyo Aji Riwinanto (Politeknik Negeri Semarang, Indonesia); Suhendro S (Politeknik Negeri Semarang, Indonesia); Helmy Helmy and Arif Nursyahid (Politeknik Negeri Semarang, Indonesia); Ari Sriyanto Nugroho (Politeknik Negeri Semarang, Indonesia)
6	16.45 – 17.00	ICT-24	Automatic Docking Based on Visual Feedback on Remotely Operated Vehicle	Muhammad Qomaruzzaman and Ronny Mardiyanto (Institut Teknologi Sepuluh Nopember, Indonesia)

No	Time	Paper ID	Title	Authors
7	17.00 – 17.15	ICT-25	Performance Improvement of Human Activity Recognition based on Ensemble Empirical Mode Decomposition	Enda Sinuraya (Diponegoro University, Indonesia); Yosua Alvin Adi Soetrisno (Diponegoro University ; Faculty of Engineering, Indonesia); Denis Denis (Diponegoro University, Indonesia); Aminuddin Rizal (National Taiwan University of Science and Technology, Taiwan)
8	17.15 – 17.30	ICT-26	Naive Bayes Classifier For Prediction Of Volcanic Status In Indonesia	Firman Tempola (Universitas Khairun Ternate, Indonesia)
9	17.45 – 18.00	ICT-27	Case Based Reasoning For Determining The Feasibility Of Scholarship Grantees Using Case Adapatation	Firman Tempola (Universitas Khairun Ternate, Indonesia)
10	18.00 – 18.15	ICT-28	A Development Of Executive Information Based On Satisfaction Level Of Students	Eflita Yohana, Mochammad Facta, Awalina Ani Sayekti (Universitas Diponegoro)
11	18.15 – 18.30	ICT-29	Compressive Sensing Approach with Double Layer Soft Threshold for ECVT Static Imaging	Nur Afny Catur Andryani (Tanri Abeng University); Dodi Sudiana and Dadang Gunawan (Universitas Indonesia, Indonesia)
12	18.30 – 18.45	ICT-30	Context-based Hydrology Time Series Data for A Flood Prediction Model Using LSTM	Indrastanti R. Widiyasari (Satya Wacana Christian University); Lukito Edi Nugoho, Widyawan Universitas Gadjah Mada; Rissal Efendi



CERTIFICATE

This is to certify that
Nely Ulwiyati
has contributed as
Presenter

in The 5th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE) 2018
in Semarang Indonesia, September, 26-28th 2018



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