



The **1<sup>st</sup> 2018 INAPR (Indonesian Association for Pattern Recognition) International Conference** had been listed at IEEE Conference number 44351

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Papers in this **book 1<sup>st</sup> 2018 INAPR International Conference** for media communication only which is spread among the authors, Keynote speakers, and other academic colleagues in the 1<sup>st</sup> 2018 INAPR International Conference at Friday, 7 September 2018 at Bina Nusantara University, Alam Sutera Campus, Tangerang, Banten, Indonesia.

Each paper which is shown in this **book 1<sup>st</sup> 2018 INAPR International Conference** can be appeared at **proceeding of 1<sup>st</sup> 2018 INAPR International Conference** where the authors of each paper should :

1. Present their paper
2. Submit the paper's revision to [spitswarnars@googlemail.com](mailto:spitswarnars@googlemail.com)

Failing to do the requirement will be subjected to eliminated from **proceeding of 1<sup>st</sup> 2018 INAPR International Conference**

## The 1<sup>st</sup> 2018 INAPR International Conference Schedule

Time	Activity
7.30-8.30	Registration
8.30-8.35	Welcome speech by Harco Leslie Hendric Spits Warnars, Ph.D as 1 <sup>st</sup> 2018 INAPR International Conference General Chair
8.35-8.40	Welcome speech by Prof. Tirta Nugraha Mursitama, S.Sos., M.M., Ph.D. As Binus Joint International Conference (BJIC) 2018 General Chair and BINUS Vice Rector of Research and Technology Transfer (RTTO).
8.40-8.45	Welcome Speech by Prof. Dr. Ir. Nicolas Gascoin as Science and Technology Cooperation Attache of Institut Français d'Indonésie (IFI) France Embassy.
8.45-8.50	Welcome speech by DR. Suryadiputra Liwatimena as chapter chair of The Indonesia Section Computer Society Chapter (TISCSC)
8.50-8.55	Welcome speech by DR. Anto Satriyo Nugroho as President of Indonesian Association for Pattern Recognition (INAPR)
8.55-9.10	Traditional Dance opening
9.10-9.15	<b>Opening and Photo Session together</b>
9.15-10.15	Keynote Speech 1 <b>Prof. Dr. Pitoyo Hartono</b> (Department of Electrical and Electronics Engineering, Chukyo University) with title : Transparent Hierarchical Classifier
10.15-10.30	<b>Coffee break 1 and photo session</b>
10.30-11.30	Keynote Speech 2

	<b>Dr. Setiawan Hadi, M.Sc.CS. (Computer Vision Research Laboratory University of Padjadjaran, Indonesia.)</b> With title: Amadi: learning patterns from the past for better future		
11.30-13.00	<b>L u n c h and Friday praying for Muslim</b>		
<b>13.00-15.00</b> (15 Minutes presentation per paper) <b>Session:</b> 1:13.00-13.15 2:13.15-13.30 3:13.30-13.45 4:13.45-14.00 5:14.00-14.15 6:14.15-14.30 7:14.30-14.45 8:14.45-15.00	<b>Room A0701</b> 1.Paper PR1 2.Paper PR7 3.Paper PR6 4.Paper PR4 5.Paper PR8 6.Paper PR5 7.Paper PR2 8.Paper PR9 Session Chair : <b>to be confirmed</b>	<b>Room A0704</b> 1.Paper CS1 2.Paper CS7 3.Paper CS3 4.Paper CS9 5.Paper CS2 6.Paper CS10 7.Paper CS6 8.Paper CS8 Session Chair : to be confirmed	<b>Room A0705</b> 1.Paper IS1 2.Paper IS15 3.Paper IS2 4.Paper IS6 5.Paper IS3 6.Paper IS16 7.Paper IS4 8.Paper IS17 Session Chair : to be confirmed
	<b>Room A0707</b> 1. Paper PR11 2.Paper PR16 3.Paper PR13 4.Paper PR19 5.Paper PR17 6.Paper PR12 7.Paper PR14 8.Paper PR20 Session Chair : <b>to be confirmed</b>	<b>Room A0708</b> 1. Paper PR23 2.Paper CS11 3.Paper PR24 4.Paper CS12 5.Paper PR25 6.Paper CS13 7.Paper PR26 8.Paper CS14 Session Chair : to be confirmed	<b>Room A0804</b> 1. Paper CS17 2.Paper IS8 3.Paper IS10 4.Paper IS11 5.Paper CS18 6.Paper IS9 7.Paper IS12 8.Paper IS14 Session Chair : <b>to be confirmed</b>
15.00- 15.30	<b>Coffee break</b>		
<b>15.30- 16.15</b> (15 Minutes presentation per paper) <b>Session:</b> 9:15.30-15.45 10:15.45-16.00 11:16.00-16.15	<b>Room A0701</b> 9. Paper PR22 10. Paper PR3 11. Paper PR10 Session Chair : <b>to be confirmed</b>	<b>Room A0704</b> 9. Paper CS4 10. Paper CS19 11. Paper CS5 Session Chair : <b>to be confirmed</b>	<b>Room A0705</b> 9. Paper IS7 10. Paper IS5 11. Paper IS18 Session Chair : <b>to be confirmed</b>
	<b>Room A0707</b> 9. Paper PR15 10. Paper PR18 11. Paper PR21 Session Chair : <b>to be confirmed</b>	<b>Room A0708</b> 9. Paper CS15 10. Paper CS16 Session Chair : <b>to be confirmed</b>	<b>Room A0804</b> 9. Paper CS20 10. Paper IS13 Session Chair : <b>to be confirmed</b>
16.15-17.15	Keynote Speech 3 <b>Prof. Antoine Doucet (La Rochelle University, France)</b> with title : Sequential pattern mining for multilingual text analysis		
18.30 - 20.00	<b>Gala Dinner at Momentum Cafe</b> <b>ruko prominence 38 H No. 25, Pinang, Banten 15143</b> <b>And Closing Ceremony (best paper award)</b>		



## The 1<sup>st</sup> 2018 INAPR International Conference List of Papers

The conference will be running in 6 parallel sessions where 4 rooms (rooms A0701,A0704, A0705,A0707) parallel session with 11 papers and 2 rooms (rooms A0708 and A0804) parallel sessions with 10 papers. Next are the menu of papers' presentation composition:

1. Room number A0701 and A0707 for presentation 22 papers Pattern Recognition (PR) only.
2. Room number A0704 for presentation 11 papers Miscellaneous in Computer Science (CS) only.
3. Room number A0705 for presentation 11 papers Miscellaneous in Information Systems (IS) only.
4. Room number A0708 for presentation 4 papers Pattern Recognition (PR) and 6 papers Miscellaneous in Computer Science (CS).
5. Room number A0804 for presentation 3 papers Miscellaneous in Computer Science (CS) and 7 papers Miscellaneous in Information Systems (IS).

The papers' allocation is not ordered by papers number based on papers's distribution purposes where all the authors can mix up with others and at the end the networking between authors can be created in order to build long term research networking and knowledge sharing based on similarity authors' research interest.

Paper Code	Paper Title	Room (sesi) time	Page
<i>Pattern Recognition (PR)</i>			
PR1	<i>Sign Language Recognition Using Modified Convolutional Neural Network Model</i>	<i>A0701(1)-13.00-13.15</i>	1
PR2	<i>The Comparison of Some Hidden Markov Models for Sign Language Recognition</i>	<i>A0701(7)-14.30-14.45</i>	2
PR3	<i>Feature Extraction Methods in Sign Language Recognition System: A Literature Review</i>	<i>A0701(10)-15.45-16.00</i>	3
PR4	<i>Sentence Level Indonesian Sign Language Recognition Using 3D Convolutional Neural Network and Bidirectional Recurrent Neural Network</i>	<i>A0701(4)-13.45-14.00</i>	4
PR5	<i>Lightweight Spatial Pyramid Convolutional Neural Network for Traffic Sign Classification</i>	<i>USD 355 A0701(6)-14.15-14.30</i>	5
PR6	<i>A Fuzzy-Euclidean Intelligent Fitness Model (FEIFM) Implementation for Selecting Personal Vehicle</i>	<i>A0701(3)-13.30-13.45</i>	6
PR7	<i>Facial Attractiveness Classification using Deep Learning</i>	<i>A0701(2)-13.15-13.30</i>	7
PR8	<i>Image Size, Color Depth, Age variant on Face Recognition using Convolution Neural Network</i>	<i>A0701(5)-14.00-14.15</i>	8
PR9	<i>Facial Emotion Recognition using Computer Vision</i>	<i>A0701(8)14.45-15.00</i>	9
PR10	<i>The Improved Artificial Neural Network based on Cosine Similarity for Facial Emotion Recognition</i>	<i>A0701(11)-16.00-16.15</i>	10
PR11	<i>Virtual Assistant Using Lstm Networks In Indonesian</i>	<i>A0707(1)13.00-13.15</i>	11

PR12	<i>Lstm And Simple Rnn Comparison In The Problem Of Sequence To Sequence On Conversation Data Using Bahasa Indonesia</i>	A0707(6)14.15-14.30	12
PR13	<i>A New Adaptive Thresholding Technique for Binarizing Ancient Document</i>	A707(3)-13.30-13.45	13
PR14	<i>Document Classification Using Stemming Porter and K-Nearest Neighbor Method</i>	A707(7)-14.30-14.45	14
PR15	<i>One More Reason to Reject Manuscript about Machine Learning for Structural Health Monitoring</i>	A0707(9)-15.30-15.45	15
PR16	<i>Indonesian Traditional Weapons Recognition Using Backpropagation</i>	A0707(2)-13.15-13.30	16
PR17	<i>Batik Parang Rusak Detection Using Geometric Invariant Moment</i>	A0707(5)14.00-14.15	17
PR18	<i>Generalized Spatio Temporal Autoregressive Rainfall-Enso Pattern In East Java Indonesia</i>	A0707(10)-15.45-16.00	18
PR19	<i>Nonlinear <math>\alpha</math>-Regression Quantile Using Kernel Principal Component Analysis and Adaptive Genetic Algorithm</i>	A707(4)13.45-14.00	19
PR20	<i>Using Machine Learning Techniques to Earlier Predict Student's Performance</i>	A707(8)14.45-15.00	20
PR21	<i>Preliminary Review on Population Based Approaches for Physician Scheduling</i>	A0707(11)-16.00-16.15	21
PR22	<i>Association Rules Mining for Identifying Popular Ingredients on YouTube Cooking Recipes Videos</i>	A0701(9)-15.30-15.45	22
PR23	<i>Indonesian's Dangdut Music Classification Based on Audio Features</i>	A0708(1)-13.00-13.15	23
PR24	<i>Comparison of Similarity Coefficients on Morphological Rodent Tuber</i>	A0708(3)-13.30-13.45	24
PR25	<i>White Blood Cell Detection and Classification using YOLO</i>	A0708(5)-14.00-14.15	25
PR26	<i>A Fish Classification on Images using Transfer Learning and Matlab</i>	A0708(7)-14.30-14.45	26

There are 4 papers Sign language recognition, 2 papers for traffic and vehicle, 4 papers for face recognition, 2 papers pattern in Bahasa Indonesia, 3 papers Document and manuscript, 3 papers using images for recognition, 3 papers current pattern recognition algorithm, 1 paper for cooking recipes video, 1 paper about Dangdut Music and 3 papers pattern recognition in bioinformatics.

### *Miscellaneous in Computer Science (CS)*

<b>Paper Code</b>	<b>Paper Title</b>	<b>Room (sesi) time</b>	<b>Page</b>
CS1	<i>Business Intelligence for Construction Company Acknowledgement Reporting System</i>	A0704(1)-13.00-13.15	27
CS2	<i>Bussiness Intelligence For a Digital Music Content Provider</i>	A0704(5)-14.00-14.15	28
CS3	<i>Building Datawarehouse for Educational Institutions in 9 Steps</i>	A0704(3)-13.30-13.45	29
CS4	<i>Data Warehouse Development for Flight Reservation system</i>	A0704(9)-15.30-15.45	30
CS5	<i>Business Solution for Choosing Products Using Data Warehouse in Payment Solution Company</i>	A0704(11)-16.00-16.15	31
CS6	<i>Data Warehouse implementation for Mixing Process in Tire Manufacture</i>	A0704(7)-14.30-14.45	32
CS7	<i>A Proposed surveillance model in an Intelligent Transportation System (ITS)</i>	A0704(2)-13.15-13.30	33
CS8	<i>Intelligent Traffic Monitoring System (ITMS) for Smart City Based on IoT Monitoring</i>	A0704(8)-14.45-15.00	34
CS9	<i>Smart Home Component using Orange Technology for Elderly people: A Systematic Literature</i>	A0704(4)-13.45-14.00	35

CS10	<i>SMARTD Web-Based Monitoring And Evaluation System</i>	A0704(6)- 14.15-14.30	36
CS11	<i>Adaptive Game Design using Case-based Reasoning Method for High Performance Computing Learning</i>	A0708(2)- 13.15-13.30	37
CS12	<i>Gamification in the e-Learning Process for children with Attention Deficit Hyperactivity Disorder (ADHD)</i>	A0708(4)- 13.45-14.00	38
CS13	<i>Hoax News Detection on Social Media: A Survey</i>	A0708(6)- 14.15-14.30	39
CS14	<i>Mining Unstructured Data in Social Media for Natural Disaster Management in Indonesia</i>	A0708(8)- 14.45-15.00	40
CS15	<i>Implementation of Gyroscope Sensor to Presentation Application on Android Smartphone</i>	A0708(9)- 15.30-15.45	41
CS16	<i>The Implementation of E-money in Mobile Phone: A Case Study at PT Bank KEB Hana</i>	A0708(10)- 15.45-16.00	42
CS17	<i>Big Data implementation for Inventory warehouse systems</i>	A0804(1)- 13.00-13.15	43
CS18	<i>High Performance Computing (HPC) Implementation: A Survey</i>	A0804(5)- 14.00-14.15	44
CS19	<i>Django Web Framework Software Metrics Measurement Using Radon and Pylint</i>	A0704(10)- 15.45-16.00	45
CS20	<i>Automation Processing Halstead Metrics Application's Results</i>	A0804(9)- 15.30-15.45	46

There are 5 papers Business Intelligence and Data Warehouse, 4 papers Smart Transportation, Smart Home and Smart monitoring and evaluation, 2 papers Game and gamification, 2 papers unstructured data in Social Media, 2 papers in Android and smartphone, 2 papers in Big Data and High Performance Computing and 2 papers in Software metrics

## *Miscellaneous in Information Systems (IS)*

<b>Paper Code</b>	<b>Paper Title</b>	<b>Room (sesi) time</b>	<b>Page</b>
IS1	<i>Learning Framework in the Industrial Age 4.0 in Higher Education</i>	A0705(1)- 13.00-13.15	47
IS2	<i>Evaluation of IT Governance on Core Banking System Development Project Using Framework COBIT 5: Case Study at PT Bank KEB Hana Indonesia</i>	A0705(3)- 13.30-13.45	48
IS3	<i>Developing Garuda Smart City Model with Big Data Framework</i>	A0705(5)- 14.00-14.15	49
IS4	<i>The Application of Zachman Framework in Improving Better Decision Making</i>	A0705(7)- 14.30-14.45	50
IS5	<i>Information System Strategic Planning at PT Eonchemicals Using the Framework EA3 Cubes</i>	A0705(10)- 15.45-16.00	51
IS6	<i>Smart Travel System Based on Service Oriented Architecture</i>	A0705(4)- 13.45-14.00	52
IS7	<i>The Collaboration of DevOps Automation and SOA to Accelerate Software Development Culture</i>	A0705(9)- 15.30-15.45	53
IS8	<i>Strategic Planning Of Information Systems And Information Technology At Agricultural Research And Development Agency, Ministry Of Agriculture</i>	A0804(2)- 13.15-13.30	54
IS9	<i>Cloud Computing Adoption Strategy Planning at Agricultural Central Data and Information System, Ministry of Agriculture with Roadmap for Cloud Computing Adoption (ROCCA) Model</i>	A0804(6)- 14.15-14.30	55
IS10	<i>Executive Information Systems for Cabin Base Aircraft Maintenance at PT. GMF AeroAsia Tbk</i>	A0804(3)- 13.30-13.45	56

IS11	<i>Designing Knowledge Management System at PT. Metropolitan Kentjana Tbk, Pondok Indah Mall unit.</i>	<b>A0804(4)- 13.45-14.00</b>	57
IS12	<i>Terminal Automation System: Automation Solution in the Oil and Gas Industry (A Case of ERP and Operational Distribution Supply Chain Integration in Tank Terminal)</i>	<b>A0804(7)- 14.30-14.45</b>	58
IS13	<i>Analysis of Factors Affecting the Admission of E-Filing Systems in Jakarta</i>	<b>A0804(10)- 15.45-16.00</b>	59
IS14	<i>Developing of Indonesian Intelligent e-Health model</i>	<b>A0804(8)- 14.45-15.00</b>	60
IS15	<i>A Literature Review on The Challenges of Adopting Cloud Computing for Startup in Indonesia</i>	<b>A0705(2)- 13.15-13.30</b>	61
IS16	<i>Factors Affecting the Usage of Mobile Commerce using Technology Acceptance Model (TAM) and Unified Theory of Acceptance and Use of Technology (UTAUT)</i>	<b>A0705(6)- 14.15-14.30</b>	62
IS17	<i>Information System Design for Deep Learning Based Plant Counting Automation</i>	<b>A0705(8)- 14.45-15.00</b>	63
IS18	<i>Financial Data Statistics Programs</i>	<b>A0705(11)- 16.00-16.15</b>	64
<p>There are 5 papers Information Systems (IS) Framework such as COBIT 5, Big Data Framework, Zachman, EA3 ubes, 2 papers IS development with Service Oriented Architecture (SOA), 5 papers Strategic IS such as Executive IS (EIS), Knowledge Management (KM), 2 papers development IS web based such as E-filling and e-Health and 4 papers for startup, implementation Technology Acceptance Model (TAM) and Unified Theory of Acceptance and Use of Technology (UTAUT), IS design and financial data statistics program.</p>			

## The 1<sup>st</sup> 2018 INAPR International Conference List of Papers per Room

### 1. Room number A0701 and A0707 for presentation 22 papers Pattern Recognition (PR) only.

#### Room A0701

Sesi	jam	Paper code	Title
1	13.00-13.15	PR1	<i>Sign Language Recognition Using Modified Convolutional Neural Network Model</i>
2	13.15-13.30	PR7	<i>Facial Attractiveness Classification using Deep Learning</i>
3	13.30-13.45	PR6	<i>A Fuzzy-Euclidean Intelligent Fitness Model (FEIFM) Implementation for Selecting Personal Vehicle</i>
4	13.45-14.00	PR4	<i>Sentence Level Indonesian Sign Language Recognition Using 3D Convolutional Neural Network and Bidirectional Recurrent Neural Network</i>
5	14.00-14.15	PR8	<i>Image Size, Color Depth, Age variant on Face Recognition using Convolution Neural Network</i>
6	14.15-14.30	PR5	<i>Lightweight Spatial Pyramid Convolutional Neural Network for Traffic Sign Classification</i>
7	14.30-14.45	PR2	<i>The Comparison of Some Hidden Markov Models for Sign Language Recognition</i>
8	14.45-15.00	PR9	<i>Facial Emotion Recognition using Computer Vision</i>
9	15.30-15.45	PR22	<i>Association Rules Mining for Identifying Popular Ingredients on YouTube Cooking Recipes Videos</i>
10	15.45-16.00	PR3	<i>Feature Extraction Methods in Sign Language Recognition System: A Literature Review</i>
11	16.00-16.15	PR10	<i>The Improved Artificial Neural Network based on Cosine Similarity for Facial Emotion Recognition</i>

#### Room A0707

Sesi	jam	Paper code	Title
1	13.00-13.15	PR11	<i>Virtual Assistant Using Lstm Networks In Indonesian</i>
2	13.15-13.30	PR16	<i>Indonesian Traditional Weapons Recognition Using Backpropagation</i>
3	13.30-13.45	PR13	<i>A New Adaptive Thresholding Technique for Binarizing Ancient Document</i>
4	13.45-14.00	PR19	<i>Nonlinear <math>\alpha</math>-Regression Quantile Using Kernel Principal Component Analysis and Adaptive Genetic Algorithm</i>
5	14.00-14.15	PR17	<i>Batik Parang Rusak Detection Using Geometric Invariant Moment</i>
6	14.15-14.30	PR12	<i>Lstm And Simple Rnn Comparison In The Problem Of Sequence To Sequence On Conversation Data Using Bahasa Indonesia</i>
7	14.30-14.45	PR14	<i>Document Classification Using Stemming Porter and K-Nearest Neighbor Method</i>
8	14.45-15.00	PR20	<i>Using Machine Learning Techniques to Earlier Predict Student's Performance</i>
9	15.30-15.45	PR15	<i>One More Reason to Reject Manuscript about Machine Learning for Structural Health Monitoring</i>
10	15.45-16.00	PR18	<i>Generalized Spatio Temporal Autoregressive Rainfall-Enso Pattern In East Java Indonesia</i>

11	16.00-16.15	PR21	<i>Preliminary Review on Population Based Approaches for Physician Scheduling</i>
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**2. Room number A0704 for presentation 11 papers Miscellaneous in Computer Science (CS) only.**

**Room A0704**

Sesi	jam	Paper code	Title
1	13.00-13.15	CS1	<i>Business Intelligence for Construction Company Acknowledgement Reporting System</i>
2	13.15-13.30	CS7	<i>A Proposed surveillance model in an Intelligent Transportation System (ITS)</i>
3	13.30-13.45	CS3	<i>Building Datawarehouse for Educational Institutions in 9 Steps</i>
4	13.45-14.00	CS9	<i>Smart Home Component using Orange Technology for Elderly people: A Systematic Literature</i>
5	14.00-14.15	CS2	<i>Bussiness Intelligence For a Digital Music Content Provider</i>
6	14.15-14.30	CS10	<i>SMARTD Web-Based Monitoring And Evaluation System</i>
7	14.30-14.45	CS6	<i>Data Warehouse implementation for Mixing Process in Tire Manufacture</i>
8	14.45-15.00	CS8	<i>Intelligent Traffic Monitoring System (ITMS) for Smart City Based on IoT Monitoring</i>
9	15.30-15.45	CS4	<i>Data Warehouse Development for Flight Reservation system</i>
10	15.45-16.00	CS19	<i>Django Web Framework Software Metrics Measurement Using Radon and Pylint</i>
11	16.00-16.15	CS5	<i>Business Solution for Choosing Products Using Data Warehouse in Payment Solution Company</i>

**3. Room number A0705 for presentation 11 papers Miscellaneous in Information Systems (IS) only.**

**Room A0705**

Sesi	jam	Paper code	Title
1	13.00-13.15	IS1	<i>Learning Framework in the Industrial Age 4.0 in Higher Education</i>
2	13.15-13.30	IS15	<i>A Literature Review on The Challenges of Adopting Cloud Computing for Startup in Indonesia</i>
3	13.30-13.45	IS2	<i>Evaluation of IT Governance on Core Banking System Development Project Using Framework COBIT 5: Case Study at PT Bank KEB Hana Indonesia</i>
4	13.45-14.00	IS6	<i>Smart Travel System Based on Service Oriented Architecture</i>
5	14.00-14.15	IS3	<i>Developing Garuda Smart City Model with Big Data Framework</i>
6	14.15-14.30	IS16	<i>Factors Affecting the Usage of Mobile Commerce using Technology Acceptance Model (TAM) and Unified Theory of Acceptance and Use of Technology (UTAUT)</i>
7	14.30-14.45	IS4	<i>The Application of Zachman Framework in Improving Better Decision Making</i>
8	14.45-15.00	IS17	<i>Information System Design for Deep Learning Based Plant Counting Automation</i>
9	15.30-15.45	IS7	<i>The Collaboration of DevOps Automation and SOA to Accelerate Software Development Culture</i>
10	15.45-16.00	IS5	<i>Information System Strategic Planning at PT Eonchemicals Using the Framework EA3 Cubes</i>



11	16.00-16.15	IS18	<i>Financial Data Statistics Programs</i>
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4. Room number A0708 for presentation 4 papers Pattern Recognition (PR) and 6 papers Miscellaneous in Computer Science (CS).

**Room A0708**

Sesi	jam	Paper code	Title
1	13.00-13.15	PR23	<i>Indonesian's Dangdut Music Classification Based on Audio Features</i>
2	13.15-13.30	CS11	<i>Adaptive Game Design using Case-based Reasoning Method for High Performance Computing Learning</i>
3	13.30-13.45	PR24	<i>Comparison of Similarity Coefficients on Morphological Rodent Tuber</i>
4	13.45-14.00	CS12	<i>Gamification in the e-Learning Process for children with Attention Deficit Hyperactivity Disorder (ADHD)</i>
5	14.00-14.15	PR25	<i>White Blood Cell Detection and Classification using YOLO</i>
6	14.15-14.30	CS13	<i>Hoax News Detection on Social Media: A Survey</i>
7	14.30-14.45	PR26	<i>A Fish Classification on Images using Transfer Learning and Matlab</i>
8	14.45-15.00	CS14	<i>Mining Unstructured Data in Social Media for Natural Disaster Management in Indonesia</i>
9	15.30-15.45	CS15	<i>Implementation of Gyroscope Sensor to Presentation Application on Android Smartphone</i>
10	15.45-16.00	CS16	<i>The Implementation of E-money in Mobile Phone: A Case Study at PT Bank KEB Hana</i>

5. Room number A0804 for presentation 3 papers Miscellaneous in Computer Science (CS) and 7 papers Miscellaneous in Information Systems (IS).

**Room A0804**

Sesi	jam	Paper code	Title
1	13.00-13.15	CS17	<i>Big Data implementation for Inventory warehouse systems</i>
2	13.15-13.30	IS8	<i>Strategic Planning Of Information Systems And Information Technology At Agricultural Research And Development Agency, Ministry Of Agriculture</i>
3	13.30-13.45	IS10	<i>Executive Information Systems for Cabin Base Aircraft Maintenance at PT. GMF AeroAsia Tbk</i>
4	13.45-14.00	IS11	<i>Designing Knowledge Management System at PT. Metropolitan Kentjana Tbk, Pondok Indah Mall unit.</i>
5	14.00-14.15	CS18	<i>High Performance Computing (HPC) Implementation: A Survey</i>
6	14.15-14.30	IS9	<i>Cloud Computing Adoption Strategy Planning at Agricultural Central Data and Information System, Ministry of Agriculture with Roadmap for Cloud Computing Adoption (ROCCA) Model</i>
7	14.30-14.45	IS12	<i>Terminal Automation System: Automation Solution in the Oil and Gas Industry (A Case of ERP and Operational Distribution Supply Chain Integration in Tank Terminal)</i>
8	14.45-15.00	IS14	<i>Developing of Indonesian Intelligent e-Health model</i>
9	15.30-15.45	CS20	<i>Automation Processing Halstead Metrics Application's Results</i>
10	15.45-16.00	IS13	<i>Analysis of Factors Affecting the Admission of E-Filing Systems in Jakarta</i>