

# Muhammad Ali Ramdhani

## List of Publications by Year in descending order

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82  
papers

904  
citations

471477  
17  
h-index

552766  
26  
g-index

83  
all docs

83  
docs citations

83  
times ranked

297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Augmented Reality (AR) Technology on The Android Operating System in Chemistry Learning. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012068.	0.6	71
2	Designing Interactive Electronic Module in Chemistry Lessons. Journal of Physics: Conference Series, 2017, 895, 012009.	0.4	49
3	Implementation of Nearest Neighbor using HSV to Identify Skin Disease. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012153.	0.6	47
4	Implementation of Mamdani Fuzzy Method in Employee Promotion System. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012147.	0.6	46
5	Design of Smart System to Detect Ripeness of Tomato and Chili with New Approach in Data Acquisition. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012018.	0.6	43
6	Web Scraping and Naïve Bayes Classification for Job Search Engine. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012038.	0.6	43
7	Systematic Design of Expert System Using Unified Modelling Language. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012047.	0.6	42
8	Expert System for Deciding a Solution of Mechanical Failure in a Car using Case-based Reasoning. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012011.	0.6	35
9	Social Media-Based Identifier for Natural Disaster. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012039.	0.6	34
10	Learning Crude Oil by Using Scientific Literacy Comics. Journal of Physics: Conference Series, 2017, 895, 012011.	0.4	33
11	Expert system for predicting the early pregnancy with disorders using artificial neural network. , 2017, , .		32
12	Using Android-Based Educational Game for Learning Colloid Material. Journal of Physics: Conference Series, 2017, 895, 012012.	0.4	29
13	Volta-Based Cells Materials Chemical Multiple Representation to Improve Ability of Student Representation. Journal of Physics: Conference Series, 2017, 895, 012010.	0.4	28
14	Requirements Elicitation in Software Engineering. International Journal of Engineering and Technology(UAE), 2018, 7, 772.	0.3	27
15	Automated Text Summarization for Indonesian Article Using Vector Space Model. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012037.	0.6	26
16	Implementation of Automation System for Humidity Monitoring and Irrigation System. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012092.	0.6	25
17	Learning Material of Chemistry in High School Using Multiple Representations. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012078.	0.6	24
18	Key Success Factors of e-Learning Implementation in Higher Education. International Journal of Emerging Technologies in Learning, 2020, 15, 101.	1.3	24

#	ARTICLE	IF	CITATIONS
19	System Design of Controlling and Monitoring on Aquaponic Based on Internet of Things. , 2018, , .		23
20	An Improved of Stemming Algorithm for Mining Indonesian Text with Slang on Social Media. , 2018, , .		17
21	Incremental technique with set of frequent word item sets for mining large Indonesian text data. , 2017, , .		14
22	On the Design of Watering and Lighting Control Systems for Chrysanthemum Cultivation in Greenhouse Based on Internet of Things. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012105.	0.6	13
23	Multimedia Based on Scientific Approach for Periodic System of Element. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012137.	0.6	12
24	Early Warning System in Mobile-Based Impacted Areas. International Journal of Engineering and Technology(UAE), 2018, 7, 118.	0.3	12
25	Theoretical Investigation of Inclusion Complex between Omeprazole Enantiomers and Carboxymethyl- $\beta$ -Cyclodextrin. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012138.	0.6	10
26	Flexibility of Indonesian text pre-processing library. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 13, 420.	0.8	10
27	Augmented reality using features accelerated segment test for learning tajweed. Telkomnika (Telecommunication Computing Electronics and Control), 2020, 18, 208.	0.8	9
28	Indonesian news classification using convolutional neural network. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 19, 1000.	0.8	8
29	Dye Sensitized Solar Cells (DSSC) Performance Reviewed from the Composition of Titanium Dioxide (TiO <sub>2</sub> )/Zinc Oxide (ZnO). IOP Conference Series: Materials Science and Engineering, 2018, 288, 012070.	0.6	7
30	Comparison of Naive Bayes and K-Nearest Neighbor methods to predict divorce issues. IOP Conference Series: Materials Science and Engineering, 0, 434, 012047.	0.6	7
31	Comparing Sentiment Analysis of Indonesian Presidential Election 2019 with Support Vector Machine and K-Nearest Neighbor Algorithm. , 2020, , .		6
32	The Implementation of Alert System for LAN Network Monitoring Using the Dude Based Email. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012054.	0.6	5
33	Edmodo-based blended learning on mathematical proving capability. Journal of Physics: Conference Series, 2019, 1157, 042001.	0.4	5
34	On The Design of Array Microstrip Antenna with S-Band Frequency for Radar Communication. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012006.	0.6	4
35	Computer speech recognition to text for recite Holy Quran. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012044.	0.6	4
36	Pan-Tilt Modelling for Face Detection. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012204.	0.6	4

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37	Analysis of determinant factors of e-Government implementation. IOP Conference Series: Materials Science and Engineering, 0, 434, 012049.	0.6	4
38	Dual-band Rectangular Microstrip Patch Antenna for LTE and BWA Application. IOP Conference Series: Materials Science and Engineering, 0, 434, 012211.	0.6	4
39	Growth and Yield of Chili in Nutrient Film Technique at Different Electrical Conductivity. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012034.	0.6	4
40	Model of Cytation Network Analysis using Sequence of Words as Structured Text Representation. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012048.	0.6	4
41	Weighted inverse document frequency and vector space model for hadith search engine. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 18, 1004.	0.8	4
42	Innovation and technology diffusion in agricultural sector. IOP Conference Series: Materials Science and Engineering, 0, 434, 012247.	0.6	3
43	The concept of sequential pattern mining for text. IOP Conference Series: Materials Science and Engineering, 0, 434, 012042.	0.6	3
44	Design of the automatic shoe dryer. MATEC Web of Conferences, 2018, 197, 11009.	0.2	3
45	Decision support system for football player's position with tsukamoto fuzzy inference system. MATEC Web of Conferences, 2018, 197, 03014.	0.2	3
46	Automatic Door Control System Using SMS Gateway Base on Arduino Uno and Ultrasonic Sensor. International Journal of Engineering and Technology(UAE), 2018, 7, 122.	0.3	3
47	Design of Android Interactive Multimedia for the Concept of Aromatic Compound. MATEC Web of Conferences, 2018, 197, 16004.	0.2	3
48	Internet of things for automatic garage doors using ESP8266 module. IOP Conference Series: Materials Science and Engineering, 0, 434, 012057.	0.6	3
49	A solar simulator using a LCD projector for studentsâ€™ laboratory. Physics Education, 2018, 53, 055021.	0.5	3
50	The readiness model of information technology implementation among universities in Indonesia. Journal of Physics: Conference Series, 2019, 1175, 012267.	0.4	3
51	The implementation of voice over internet protocol on private automatic branch exchange using analog telephone adapter. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012272.	0.6	2
52	DC Motor Speed Controller Design using Pulse Width Modulation. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012205.	0.6	2
53	Automatic Water Clarity Monitoring and Filtration System Using Light Dependent Resistor Based on Arduino Uno. , 2018, , .		2
54	Additional Halogen Group (F, Cl, and Br) to 2-Phenyl-imidazole[1,2- $\pi$ ]pyridine on Corrosion Inhibition Properties: A Computational Study. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012033.	0.6	2

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55	Analyzes of cybercrime expansion in Indonesia and preventive actions. IOP Conference Series: Materials Science and Engineering, 0, 434, 012257.	0.6	2
56	Comparison of principal component analysis algorithm and local binary pattern for feature extraction on face recognition system. MATEC Web of Conferences, 2018, 197, 03001.	0.2	2
57	Chatbot for Virtual Travel Assistant with Random Forest and Rapid Automatic Keyword Extraction. , 2021, , .		2
58	The Effect of Amplitude Modulation Index and Frequency Modulation Index on Total Harmonic Distortion in 1-Phase Inverter. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012107.	0.6	1
59	Stabilization of Output Voltage with Feedback Circuit and Filter on 2 Stages-Step Up Converter (24V to) Tj ETQq1 1,0.784314 rgBT /Qv	0.6	1
60	Determine the Optimal Solution for Linear Programming with Interval Coefficients. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012061.	0.6	1
61	Algebraic experience material with lectors inspire. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012268.	0.6	1
62	Decision Support System of Scientific Publication Awards using Forward Chaining Algorithm. , 2018, , .		1
63	Latin to Sundanese script conversion using Finite State automata algorithm. IOP Conference Series: Materials Science and Engineering, 0, 434, 012063.	0.6	1
64	An approach to determine the concentration of coloured solution using android smartphones. IOP Conference Series: Materials Science and Engineering, 0, 434, 012088.	0.6	1
65	Design of decision support system for santri admission. MATEC Web of Conferences, 2018, 197, 03010.	0.2	1
66	Solubility equilibrium learning supported by PhET-SS. Journal of Physics: Conference Series, 2019, 1157, 042010.	0.4	1
67	Development of android-based chemistry learning media oriented towards generic science skills. Journal of Physics: Conference Series, 2019, 1157, 042047.	0.4	1
68	Light Control and Watering System in Greenhouse for The Cultivation of Chrysanthemum Sp. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 12, 950.	0.8	1
69	Model-view-controller approach for e-Zakah. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 15, 1054.	0.8	1
70	Automatic Text Summarization for Hadith with Indonesian Text using Bellman-Ford Algorithm. , 2020, , .		1
71	Augmented Reality using Natural Feature Tracking Method to Introduce Science Verses in Qurâ€™an. , 2021, , .		1
72	Evodia suaveolenseâ€™s Repellent Action against Aedes aegypti from Entering a Room. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012014.	0.6	0

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73	Biopsychological Approach on Hearing Impairment Caused by Instrumental Hearing Habit. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012016.	0.6	0
74	Total vertex irregularity strength of comb product of two cycles. MATEC Web of Conferences, 2018, 197, 01007.	0.2	0
75	The effect of infrastructure and human resources on the higher education services output. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012009.	0.6	0
76	Design of expert system for owning motorcycle with Naive Bayes classifier. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012058.	0.6	0
77	Analysis of Artificial Bee Colony algorithm for optimizing lecture schedule based on willingness of teaching submission. IOP Conference Series: Materials Science and Engineering, 2018, 434, 012038.	0.6	0
78	Morphological Characterization of Etlingera Elatior (Jack) Explored in Sukabumi, West Java, Indonesia. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012091.	0.6	0
79	Design of expert system for train operational feasibility with Tsukamoto fuzzy inference system. MATEC Web of Conferences, 2018, 197, 03015.	0.2	0
80	Concepts of Strategic Management of Information Technology. Journal of Physics: Conference Series, 2019, 1175, 012264.	0.4	0
81	Evaluation of in Vitro Digestibility of Dried Matter and Organic Matter of Solid Waste of Bioethanol Fermentation from Cassava by Trichoderma Viride and Saccharomyces Cerevisiae. Journal of Asian Scientific Research, 2015, 5, 513-521.	0.2	0
82	Diffusion of Innovations for Optimizing the Information Technology Implementation in Higher Education. , 2021, , .		0