

**LAMPIRAN 1. BIODATA PENGUSUL****A. BIODATA KETUA PENGUSUL**

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**Publikasi di Jurnal Internasional terindeks**

No	Judul Artikel	Peran (First author, Corresponding author, atau co-author)	Nama Jurnal, Tahun terbit, Volume, Nomor, P-ISSN/E-ISSN	URL artikel (jika ada)
1	Analysis of Soil Substance Measurement System Based on Internet of Things (IoT) with Star Topology Network		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 6, 1473-804x	<a href="http://ijssst.info/">http://ijssst.info/</a>
2	A New Variant of Game Theory Based Decision Making (GTDM) Algorithm Routing Protocols to Improve Energy Efficiency on Vehicular Delay Tolerant Network (VDTN)		International Journal of Communication Networks and Information Security (IJCNIS), 2019, 11, 1, 2073-607X	<a href="https://www.ijcnis.o">https://www.ijcnis.o</a>
3	Design and Implementation Monitoring System of Electrical Energy Consumption with Smart Metering based on Internet of Things (IoT)		International Journal of Simulation system, Science and Technology, 2019, 20, 2, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
4	Hydraulic Analysis Software Comparison of Water Distribution System at Telkom University Area III		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 2, 1473-804x	<a href="http://ijssst.info/">http://ijssst.info/</a>
5	Implementation Campus Virtual Tour Based on Web for Introducing Telkom University Building		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 1, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
6	Performance Analysis of RAW Impact on IEEE 802.11ah Standard affected by Doppler Effect		International Journal of Computers, Communications and Control, 2019, 14, 2, 1841-9844	<a href="http://univagora.ro/">http://univagora.ro/</a>
7	Performance analysis of tunnel broker through open virtual private network		Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 3, 16936930	<a href="http://journal.uad.a">http://journal.uad.a</a>
8	Performance Evaluation and Comparison of Scheduling Algorithms on 5G Networks		International Journal of Computers, Communications and Control, 2019, 14, 4, 1841-	<a href="http://univagora.ro/">http://univagora.ro/</a>

	using Network Simulator		9844	
9	Performance Evaluation of Round Robin and Proportional Fair Scheduling Algorithms on 5G Millimeter Wave Network for Node Density Scenario		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 2, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
10	Performance Evaluation of Smart Security System Prototype based on Radio Frequency Identification (RFID) and Internet of Things (IoT)		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 5, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
11	Performance Evaluation of Soil Substance Measurement System in Garlic Plant based on Internet of Things with Mesh Topology Network Scenario		International Journal of Communication Networks and Information Security, 2019, 11, 3, 2073-607X	<a href="https://www.ijcnis.o">https://www.ijcnis.o</a>
12	Performance Evaluation of VoIP Traffic in 5G Millimeter Wave Network		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 2, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
13	VIRTUAL ROUTER CISCO PERFORMANCE ANALYSIS ON QEMU HYPERVISOR WITH MECHANISM OF INCREASING THE NUMBER OF ROUTERS AND TRAFFIC LOADS		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 1, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
14	Horizontal Load Balancing Using Fuzzy Logic and Link Imbalance		International Journal of Simulation Systems, Science & Technology, 2018, 19, 6, 1473-804x	<a href="http://ijssst.info/">http://ijssst.info/</a>
15	Node Density Performance Analysis on IEEE 802.11ah Standard for VoIP Service		International Journal of Communication Networks and Information Security (IJCNIS), 2018, 10, 1, 2073-607X	<a href="http://www.ijcnis.or">http://www.ijcnis.or</a>
16	Performance Analysis of Mobility Impact on IEEE 802.11ah Standard with Traffic Pattern Scheme		International Journal of Communication Networks and Information Security (IJCNIS), 2018, 10, 1, 2073-607X	<a href="http://www.ijcnis.or">http://www.ijcnis.or</a>
17	Performance Analysis of Tunnel Broker Through Open Virtual Private Network		ICW TELKOMNIKA 2018 on Sep 18-20, 2018, 17, 1, 1693-6930	<a href="bit.ly/icw-poster">bit.ly/icw-poster</a>
18	Performance Evaluation of DV-HOP and Amorphous Algorithms based on Localization Schemes in Wireless Sensor Networks		Telkomnika, 2018, 16, 3, 2302-9293	<a href="http://journal.uad.a">http://journal.uad.a</a>
19	Smart Garage Implementation and Design Using Whatsapp Communication Media		TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2018, 16, 3, 2302-9293	<a href="http://journal.uad.a">http://journal.uad.a</a>

20	Thermal Effect Analysis of Arrayed Waveguide Grating in NG-PON2 Network		Engineering Letters, 2018, 26, 2, 1816-0948	<a href="http://www.engineeri">http://www.engineeri</a>
21	Analytical Study of the Impact of the Mobility Node on the Multi-channel MAC Coordination Scheme of the IEEE 1609.4 Standard		KSII Transactions on Internet and Information Systems, 2017, 11, 1, 1976-7277	<a href="http://itiis.org/dig">http://itiis.org/dig</a>
22	Extending Monitoring Area of Production Plant Using Synchronized Relay Node Message Scheduling		International Journal of Communication Networks and Information Security (IJCNIS), 2017, 9, 1, 2076-0930	<a href="http://www.ijcnis.or">http://www.ijcnis.or</a>
23	Modified Mean Greedy Allocation Algorithm in OFDMA System with Carrier Aggregation		Advanced Science Letters, 2017, 23, 5, 2581-1223	<a href="http://www.ingentaco">http://www.ingentaco</a>
24	PERFORMANCE ANALYSIS OF DATA TRAFFIC OFFLOAD SCHEME ON LONG TERM EVOLUTION (LTE) AND IEEE 802.11AH		TELKOMNIKA Journal, 2017, 15, 4, 2302-9293	<a href="http://journal.uad.a">http://journal.uad.a</a>
25	Performance Evaluation of AODV, AODV-UU, and AODV with Malicious Attack Mode on Vehicular Ad-hoc Network		Advanced Science Letters, 2017, 23, 5, 1936-7317	<a href="http://www.ingentaco">http://www.ingentaco</a>
26	Performance Evaluation of Gauss-Markov Mobility Model in Hybrid LTE-VANET Networks		TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2017, 15, 2, 1693-6930	<a href="http://10.12928/TELKOMNIKA">10.12928/TELKOMNIKA</a>
27	Performance Evaluation of VANET with EDCA Access Scheme using GaussMarkov Mobility Model		International Journal of Simulation Systems, Science & Technology, 2017, 18, 2, 1473-804x	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
28	Performance Evaluation Restricted Access Window Impact of Hidden Node Problem based IEEE 802.11ah Standard		International Journal of Simulation- Systems, Science and Technology- IJSSST V18, 2017, 18, 2, 1473-804x	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
29	User-Order Chunk Allocation using Priority in OFDMA Systems		ADVANCED SCIENCE LETTERS, 2017, 23, 5, 1936-7317	<a href="http://www.ingentaco">http://www.ingentaco</a>
30	Analysis of Performance and Energy Consumption Routing Protocol AODV and DSDV in RAW Mechanism for IEEE 802.11ah Standard		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
31	Performance Analysis of DSDV Routing Protocol Vanet with Transmission Range, Speed and Node Density Effect on Freeway Mobility		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://web.a.ebscoho">http://web.a.ebscoho</a>
32	Performance Evaluation of		International Journal of	<a href="http://ijssst.info/V">http://ijssst.info/V</a>

	Adaptive Control Channel Interval in VANET Based on Network Simulation Model		Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	
33	Performance Evaluation of AODV, DSDV, and ZRP Using Vehicular Traffic Load Balancing Scheme on VANETs		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 16, 3, 1473-804x	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
34	Performance Evaluation of Service Delivery (SDP) as Hub Model of Broadband Content and Application		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://web.a.ebscoho">http://web.a.ebscoho</a>
35	Performance Evaluation of Vehicle Load Balancing Scheme on IEEE 802.11p standard		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
36	Simulation and Analysis of Energy Consumption and Performance of Routing Protocol DSDV and OLSR on IEEE 802.11ah Standard		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
37	Simulation and Analysis of Transmission Range Effect on DSR Routing Protocol in a VANET Network with Different Speed and Node Density		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://web.b.ebscoho">http://web.b.ebscoho</a>

#### Publikasi di Jurnal Nasional Terakreditasi Peringkat 1 dan 2

No	Judul Artikel	Peran (First author, Corresponding author, atau co-author)	Nama Jurnal, Tahun terbit, Volume, Nomor, P-ISSN/E-ISSN	URL artikel (jika ada)
1	Pengembangan Sistem Presensi Menggunakan Quick Response Code Dinamis Untuk Madrasah Aliyah Al Mukhlisin Bandung		Jurnal Rekayasa Elektrika, 2019, 15, 2, 2252-620X	<a href="http://jurnal.unsyia">http://jurnal.unsyia</a>
2	Performance Analysis of Spray and Focus on Vehicular Delay Tolerant Network (VDTN) with Change of Speed Mechanism and Node Density		Buletin Pos dan Telekomunikasi, 2019, 16, 2, 2443-1524	<a href="https://online.bpost">https://online.bpost</a>
3	Analisis Kinerja GPSR dan AODV pada VANET dengan Skema Pengimbangan Beban Trafik		Jurnal ELKOMIKA, 2018, 6, 2, 2459-9638	<a href="https://ejurnal.iten">https://ejurnal.iten</a>
4	Analisis Kinerja Protokol Routing AOMDV pada VANET dengan Serangan Rushing		Jurnal ELKOMIKA, 2018, 6, 2, 2459-9638	<a href="https://ejurnal.iten">https://ejurnal.iten</a>
5	Analisis Model		Buletin Pos dan	<a href="https://www.online.b">https://www.online.b</a>

	Keterhubungan dan Standar Pengkodean pada Implementasi Interkoneksi Berbasis IP di Indonesia (Studi Kasus: Laju Data Rendah hingga 72 Mbps)		Telekomunikasi, 2018, 16, 1, 2443-1524	
6	Analisis Performansi Perubahan RAW Slot Pada Standar IEEE 802.11 ah		Jurnal INFOTEL, 2018, 9, 3, 2460-0997	<a href="http://ejournal.st3t">http://ejournal.st3t</a>
7	Design and Analysis of Trash Monitoring System Prototype Based On Internet of Things (IoT) Using MQTT Protocol		Jurnal INFOTEL, 2018, 10, 3, 2460-0997	<a href="http://ejournal.st3t">http://ejournal.st3t</a>
8	Perencanaan dan Analisa Kapasitas Skema Offload Trafik Data Pada Jaringan LTE dan 802.11ah		Buletin Pos dan Telekomunikasi, 2018, -, -, 2085-4218	<a href="http://ejournal.itn">http://ejournal.itn</a>
9	Performance Analysis and Automatic Prototype Aquaponic of System Design Based on Internet of Things (IoT) using MQTT Protocol		Jurnal INFOTEL, 2018, 10, 3, 2460-0997	<a href="http://ejournal.st3t">http://ejournal.st3t</a>
10	Performance Analysis of Reactive Routing Protocol on VANET with Wormhole Attack Schemeaper		Jurnal INFOTEL, 2018, 10, 3, 2460-0997	<a href="http://ejournal.st3t">http://ejournal.st3t</a>
11	Performance Analysis of the Differences Restricted Access Window (RAW) on IEEE 802.11ah Standard with Enhanced Distributed Channel Access (EDCA)		Jurnal INFOTEL, 2018, 10, 4, 2460-0997	<a href="http://ejournal.st3t">http://ejournal.st3t</a>
12	Performance Analysis of Vehicle Collision Detection based on Wireless Sensor Network		Bulletin of Electrical Engineering and Informatics, 2018, -, -, 2302-9285	<a href="http://journal.porta">http://journal.porta</a>
13	PERFORMANCE ANALYSIS O IEEE 802.11AH STANDARD WITH ENHANCED DISTRIBUTED CHANNEL ACCESS MECHANISM		CommIT (Communication and Information Technology) Journal, 2018, 12, 1, 2460-7010	<a href="http://journal.binus">http://journal.binus</a>
14	Performance of Intrusion Detection System (IDS) on Vehicular Delay Tolerant Network (VDTN)		Bulletin of Electrical Engineering and Informatics, 2018, -, -, 2302-9285	<a href="http://journal.porta">http://journal.porta</a>
15	Analisis Performansi Perubahan Jumlah Node dan RAW Station pada Standar IEEE 802.11ah		Jurnal Nasional Teknik Elektro dan Teknik Informasi (JNTETI) Universitas Gadjah Mada (Ter - Akreditasi DIKTI No.2/E/KPT/2015O), 2017, 6, 3, 2460-5719	<a href="https://www.research">https://www.research</a>
16	Implementasi dan Analisis Purwarupa Sistem Collision Avoidance pada Mobil Pintar		Buletin Pos dan Telekomunikasi, 2017, 15, 2, 2443-1524	<a href="https://www.neliti.c">https://www.neliti.c</a>

	Berbasis Jaringan Sensor Nirkabel			
17	NETWORK SECURITY ANALYSIS IN VANET AGAINST BLACK HOLE AND JELLY FISH ATTACK WITH INTRUSION DETECTION SYSTEM ALGORITHM		CommIT (Communication and Information Technology) Journal, 2017, 11, 2, 2460-7010	<a href="http://journal.binus">http://journal.binus</a>
18	NETWORK SECURITY ANALYSIS IN VANET AGAINST BLACK HOLE AND JELLY FISH ATTACK WITH INTRUSION DETECTION SYSTEM ALGORITHM		CommIT (Communication and Information Technology) Journal, 2017, 11, 2, 2460-7010	<a href="http://journal.binus">http://journal.binus</a>
19	Performance Analysis of VXLAN and NVGRE Tunneling Protocol on Virtual Network		Bulletin of Electrical Engineering and Informatics, 2017, 6, 3, 2302-9285	<a href="http://journal.porta">http://journal.porta</a>

#### Prosiding seminar/konferensi internasional terindeks

No	Judul Artikel	Peran (First author, Corresponding author, atau co-author)	Nama Jurnal, Tahun terbit, Volume, Nomor, P-ISSN/E-ISSN	URL artikel (jika ada)
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#### Buku

No	Judul Buku	Tahun Penerbitan	ISBN	Penerbit	URL (jika ada)
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#### Perolehan KI

No	Judul KI	Tahun Perolehan	Jenis KI	Nomor	Status KI (terdaftar/granted)	URL (jika ada)
1	Signaling Database Terpusat pada Beacon untuk Offset-TIM Standard 802.11AH	2019	Paten		Terdaftar	-
2	Signaling Databa Terpusat pada Beacon untuk Offset-TIM Standard 802.11AH	2016	Paten Sederhana		Terdaftar	-
3	Aplikasi Smart Parking berbasis Android	2018	Hak Cipta	000105358	Granted	-
4	Aplikasi Pintu Pintar DETROID	2018	Hak Cipta	000122901	Granted	-

**Riwayat penelitian didanai Kemenristekdikti**

No	Judul	Tahun	Dana Disetujui
1	Purwarupa Sistem Keamanan berbasis Biometrik Telapak Tangan Terintegrasi berbasis Internet of Things (IoT) dan Zigbee Platform	2020-2021	110,487,000
2	Purwarupa Sistem Keamanan berbasis Biometrik Telapak Tangan Terintegrasi berbasis Internet of Things (IoT) dan Zigbee Platform	2019-2020	108,313,000
3	Purwarupa Sistem Keamanan berbasis Biometrik Telapak Tangan Terintegrasi berbasis Internet of Things (IoT) dan Zigbee Platform	2018-2019	126,005,000
4	Purwarupa untuk Deteksi Kandungan Ion Nitrat dan Kalium Tanah untuk Meningkatkan Produksi Tanaman Bawang Putih berbasis Internet of Things dan Zigbee Platform	2018-2019	173,065,000

**B. ANGGOTA PENGUSUL 1**

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**Publikasi di Jurnal Internasional terindeks**

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4	Performance analysis of tunnel broker through open virtual private network		Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 3, 16936930	<a href="http://journal.uad.a">http://journal.uad.a</a>
5	Performance Evaluation of Smart Security System Prototype based on Radio Frequency Identification (RFID) and Internet of Things (IoT)		International Journal of Simulation: Systems, Science and Technology, 2019, 20, 5, 1473-804x	<a href="https://ijssst.info/">https://ijssst.info/</a>
6	Performance Analysis of Tunnel Broker Through Open Virtual Private Network		ICW TELKOMNIKA 2018 on Sep 18-20, 2018, 17, 1, 1693-6930	<a href="http://bit.ly/icw-poster">bit.ly/icw-poster</a>
7	Smart Garage Implementation and Design Using Whatsapp Communication Media		TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2018, 16, 3, 2302-9293	<a href="http://journal.uad.a">http://journal.uad.a</a>
8	Performance Evaluation of Gauss-Markov Mobility		TELKOMNIKA Telecommunication,	<a href="http://10.12928/TELKOMNIKA">10.12928/TELKOMNIKA</a>



	Model in Hybrid LTE-VANET Networks		Computing, Electronics and Control, 2017, 15, 2, 1693-6930	
9	Performance Evaluation of VANET with EDCA Access Scheme using GaussMarkov Mobility Model		International Journal of Simulation Systems, Science & Technology, 2017, 18, 2, 1473-804x	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
10	Experiment Evaluation and Analysis of Delay Handover in VoIP on Campus Network		International Journal of Simulation- Systems, Science and Technology, 2016, 15, 4, 1473-804x	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
11	Performance Analysis of DSDV Routing Protocol Vanet with Transmission Range, Speed and Node Density Effect on Freeway Mobility		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://web.a.ebscoho">http://web.a.ebscoho</a>
12	Performance Evaluation of Adaptive Control Channel Interval in VANET Based on Network Simulation Model		International Journal of Simulation Systems, Science and Technology (IJSSST), 2016, 17, 35, 1473-8031	<a href="http://ijssst.info/V">http://ijssst.info/V</a>
13	SIMULATION AND PERFORMANCE ANALYSIS OF ROUTING PROTOCOLS FSR AND ZRP IN VEHICULAR AD-HOC NETWORK (VANET)		International Journal of Computer & Technology, 2016, 15, 6, 2277 - 3061	<a href="https://cirworld.com">https://cirworld.com</a>

#### Publikasi di Jurnal Nasional Terakreditasi Peringkat 1 dan 2

No	Judul Artikel	Peran (First author, Corresponding author, atau co-author)	Nama Jurnal, Tahun terbit, Volume, Nomor, P-ISSN/E-ISSN	URL artikel (jika ada)
1	Analisis Penggunaan Government Radio Network (GRN) Untuk Public Protection and Disaster Relief (PPDR) di Kota Bandung		Jurnal Teknik, 2019, 4, 20, 2460-9919	<a href="https://ejournal.und">https://ejournal.und</a>
2	Pembuatan Game Online BoMCleaN sebagai Media Pembelajaran Kebersihan Lingkungan	co-author	JEPIN (Jurnal Edukasi dan Penelitian Informatika) , 2019, 5, 1, 2548-9364	<a href="http://jurnal.untan">http://jurnal.untan</a>
3	Pembuatan Game Online BoMCleaN sebagai Media Pembelajaran Kebersihan Lingkungan		Jurnal Edukasi dan Penelitian Informatika (JEPIN), 2019, 5, 1, 2548-9364	<a href="http://jurnal.untan">http://jurnal.untan</a>
4	THE QUALITY OF SERVICES (QOS) OF GAMINGANYWHERE ON A GAME WITH SPEECH RECOGNITION SYSTEM AS COMMAND INPUT		Jurnal Elektro Telekomunikasi Terapan, 2019, 5, 2, 2442-4404	<a href="http://journals.telk">http://journals.telk</a>
5	Analisis Performansi Layanan FTP dan Video Streaming		ELKOMIKA, 2018, 6, 2, 2459-9638	<a href="https://ejournal.iten">https://ejournal.iten</a>

	berbasis Network Function Virtualization menggunakan Docker Containers			
6	Improved Load Balancing on Software Defined Networkbased Equal Cost Multipath Routing in Data Center Network		JURNAL INFOTEL Informatics - Telecommunication - Electronics, 2018, 10, 3, 2460-0997	<a href="http://ejournal.st3t">http://ejournal.st3t</a>

**Prosiding seminar/konverensi internasional terindeks**

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**C. ANGGOTA PENGUSUL 2**

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5	Implementasi dan Analisis Purwarupa Sistem Collision Avoidance pada Mobil Pintar Berbasis Jaringan Sensor Nirkabel		Buletin Pos dan Telekomunikasi, 2017, 15, 2, 2443-1524	<a href="https://www.neliti.c">https://www.neliti.c</a>

#### Prosiding seminar/konferensi internasional terindeks

No	Judul Artikel	Peran (First author, Corresponding author, atau co-author)	Nama Jurnal, Tahun terbit, Volume, Nomor, P-ISSN/E-ISSN	URL artikel (jika ada)
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#### Buku

No	Judul Buku	Tahun Penerbitan	ISBN	Penerbit	URL (jika ada)
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#### Perolehan KI

No	Judul KI	Tahun Perolehan	Jenis KI	Nomor	Status KI (terdaftar/granted)	URL (jika ada)
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