



Alam Rahmatulloh S.T., M.T.

Software Engineer | Lecturer | Researcher

- Scopus ID 57210469316
- Scholar ID Dxn94LQAAAAJ
- Sinta ID 6006638
- WOS G-6270-2019



PROFILE

Tempat Lahir : Tasikmalaya
 Tanggal Lahir : 21 Desember 1987
 Jenis Kelamin : Pria
 Alamat : Bening Regency Blok A9
 Kahuripan Tawang Kota
 Tasikmalaya
 Agama : Islam
 Golongan Darah : B
 Kewarganegaraan : Indonesia



EDUCATION

Institut Teknologi Bandung 2013 – 2015
 Bandung, Pascasarjana Program Studi Informatika

Universitas Siliwangi Tasikmalaya 2006 – 2010
 Tasikmalaya, Sarjana Program Studi Teknik Informatika

SMA Negeri 2 Tasikmalaya 2003 – 2006
 Tasikmalaya, Jurusan IPA

SMP Negeri 1 Ciawi 2000 – 2003
 Ciawi Tasikmalaya

SD Pakemitan 1 Ciawi 1994 – 2000
 Ciawi Tasikmalaya



KEY SKILLS

- Operating system: Mac OS, Windows OS (XP, 7), Linux-based OS
- Architecture: N-Tier Model, Client-Server Model (Two-Tier), Monolithic Application, Structured
- Programming Paradigm: Object-Oriented Programming, Structured/Modular Programming
- Web Programming Language: PHP, HTML, JavaScript and CSS
- Visual Programming Language: C#
- File Database: SQLite
- Server Database: MySQL, NoSQL, MariaDB
- Miscellaneous: SQL Server Reporting Service (SSRS), Windows Communication Foundation (WCF), Entity Framework (EF), Jasper Report, PDO, WAF



EXPERIENCE

ASISTEN DOSEN

Algoritma dan Pemrograman TI UNSIL 2007
 Pemrograman Internet TI UNSIL 2008
 Jaringan Komputer TI UNSIL 2009

GURU

Honorer TIK di SMK Cijangkar 2009 – 2012

PROGRAMMER

CV Haifa Infosarana Multimedia 2010 – 2013

STAFF IT

Pusat Komputer Universitas Siliwangi 2011 – 2013

DOSEN

Informatika, Universitas Siliwangi 2013 – now

CEO

<http://yucoding.com> 2019 – now



LANGUAGES

English  good

Indonesia  good



AREAS OF INTEREST

- Information System
- Multimedia
- Security
- Web Programming
- Mobile Applications

PUBLICATIONS

No	Judul Artikel Ilmiah	Nama Jurnal/Penerbit	Volume/ Nomor/Tahun
1	Optimalisasi Kinerja Sistem Informasi Akademik Universitas Siliwangi Menggunakan Memcached Dan Mirror Server. <i>Halaman: 240-244, STMIK Dipanegara Makassar, 27 Feb - 1 Maret 2014</i>	Proceedings KNSI - 2014	ISSN: 2355- 1941 Tahun: 2014
2	Pencegahan Ancaman Reverse Engineering Source Code PHP dengan Teknik Obfuscation Code pada Extension PHP <i>Institut Teknologi Bandung, Indonesia 22 Oktober 2015, Hal. 176 – 181.</i>	Proceedings KNIF - 2015	ISSN: 2354- 645X Tahun: 2015
3	Optimasi Server SIMAK Menggunakan Memcached dan Mirror Server Untuk Meningkatkan Kecepatan Akses Layanan Akademik Universitas Siliwangi	S@CIES	5/2/2015
4	Analisis Service Quality Untuk Mengukur Tingkat Kepuasan Pengguna Layanan TIK di Universitas Siliwangi	SEMNASTEKNOMEDIA ONLINE	5/1/2017
5	Implementasi Load Balancing Web Server menggunakan Haproxy dan Sinkronisasi File pada Sistem Informasi Akademik Universitas Siliwangi	Jurnal Teknologi dan Sistem Informasi	3/2/2017
6	Sistem Informasi Manajemen Anggaran (Simangga) Perguruan Tinggi Berbasis Web (Studi Kasus: Universitas Siliwangi)	Jurnal Edukasi dan Penelitian Informatika (JEPIN)	3/2/2017
7	Implementasi Teknologi Augmented Reality Sebagai Media Pengenalan Aksara Sunda Berbasis Android	Jurnal Teknik Informatika dan Sistem Informasi	3/3/2017
8	Aplikasi Pengenalan Bahasa Arab dan Inggris untuk Anak-Anak Berbasis Android	Jurnal Online Informatika	2/2/2017
9	Keamanan RESTful Web Service Menggunakan JSON Web Token (JWT) HMAC SHA-512	Jurnal Nasional Teknik Elektro dan Teknologi Informasi (JNTETI)	Volume 7 Issue 2 2018
10	IMPLEMENTASI KOMUNIKASI FULL DUPLEX MENGGUNAKAN WEBSOCKET PADA SISTEM INFORMASI PENGELOLAAN ANGGARAN UNIVERSITAS ABC	Simetris: Jurnal Teknik Mesin, Elektro dan Ilmu Komputer	Volume 9 Issue 1 2018
11	Aplikasi Ensiklopedia Pakaian Adat Dunia Berbasis Android	Jurnal Informatika: Jurnal Pengembangan IT	Volume 3 Issue 2 2018
12	SISTEM PENGUKURAN KINERJA PENGURUS KOPERASI MAHASISWA MENGGUNAKAN METODE SIMPLE ADDITIVE WEIGHTING (SAW)	Jurnal Siliwangi Seri Sains dan Teknologi	Volume 4 Issue 1 2018
13	Sistem Pendukung Keputusan Layanan Verifikator Pengadaan dengan Metode Simple Multi Attribute Rating Technique (SMART)	JUITA: Jurnal Informatika	Volume 6 Issue 2 2018
14	PERBANDINGAN PERFORMA ALGORITMA KOLONI SEMUT DENGAN ALGORITMA GENETIKA-TABU SEARCH DALAM PENJADWALAN KULIAH	CESS (Journal of Computer Engineering, Science and System)	Volume 4 Issue 1 2019
15	Telegram Bot for Automation of Academic Information Services with The Forward Chaining Method	Jurnal Sinkron (Journal Publications & Informatics Engineering Research)	Volume 3, Number 2, April 2019

No	Judul Artikel Ilmiah	Nama Jurnal/Penerbit	Volume/ Nomor/Tahun
16	Web Services to Overcome Interoperability in Fingerprint-based Attendance System	2018 International Conference on Industrial Enterprise and System, Atlantis Highlights in Engineering	Volume 2, March 2019
17	JSON Web Token (JWT) untuk Authentication pada Interoperabilitas Arsitektur berbasis RESTful Web Service	JEPIN (Jurnal Edukasi dan Penelitian Informatika)	5 / 1, 74-79, 2019
18	Implementasi Web Service pada Sistem Host-To-Host Pembayaran Biaya Akademik	Setrum: Sistem Kendali-Tenaga-Elektronika-Telekomunikasi-Komputer	Volume 7 Issue 2 2019
19	Restful Web Service Untuk Integrasi Sistem Akademik Dan Perpustakaan Universitas Perjuangan	JURNAL ILMIAH INFORMATIKA	7 (01), 54-59, 2019
20	Web Scraping and Winnowing Algorithms for Plagiarism Detection of Final Project Titles	Lontar Komputer: Jurnal Ilmiah Teknologi Informasi	10 (2), 73-83, 2019
21	Websocket untuk Optimasi Kecepatan Data Transfer pada Real Time Chatting	Innovation in Research of Informatics (INNOVATICS)	1 (1), 2019
22	Telegram bot implementation in academic information services with the forward chaining method	SinkrOn	3 (2), 73-78, 2019
23	Comparison of Web Scraping Techniques: Regular Expression, HTML DOM and Xpath	2018 International Conference on Industrial Enterprise and System, Atlantis Highlights in Engineering	Volume 2, March 2019
24	Implementation of Global Positioning System as A Location Monitoring Media for Final Project Guidelines on Android-Based Applications	Jurnal Transformatika	Volume 16 Issue 2 2019
25	Performance Evaluation of Query Response Time in The Document Stored NoSQL Database	2019 16th International Conference on Quality in Research (QIR): International Symposium on Electrical and Computer Engineering, IEEE	2019
26	Real-time Screen Sharing Using Web Socket for Presenting Without Projector	2019 7th International Conference on Information and Communication Technology (ICoICT), IEEE	2019
27	Performance Analysis of Data Transmission on WebSocket for Real-time Communication	2019 16th International Conference on Quality in Research (QIR): International Symposium on Electrical and Computer Engineering, IEEE	2019
28	Implementasi Application Programming Interface (API) Google Calendar Sebagai Reminder Informasi Kegiatan Pondok Pesantren	JST (Jurnal Sains dan Teknologi)	8 (1), 73-82, 2019
29	IMPLEMENTASI FORMULA HAVERSINE DAN KOMUNIKASI DATA REAL-TIME MENGGUNAKAN WEBSOCKET DI SISTEM PENGAWASAN WARGA NEGARA ASING	KLIK-KUMPULAN JURNAL ILMU KOMPUTER	6 (2), 143-151, 2019
30	Implementasi Web Push Notification pada Sistem Informasi Manajemen Arsip Menggunakan PUSHJS	Jurnal Teknologi Informasi dan Ilmu Komputer	6 (3), 327-334, 2019
31	Application Programming Interface Google Picker Sebagai Penyimpanan Data Sistem Informasi Arsip Berbasis Cloud	Jurnal Nasional Teknologi dan Sistem Informasi	5 (1), 25-32, 2019
32	Sistem Presensi Berbasis Sidik Jari untuk Peningkatan Disiplin Kehadiran Aparat Desa	JATI EMAS (Jurnal Aplikasi Teknik dan Pengabdian Masyarakat)	3 (1), 14-18, 2019
33	SERVER-SIDE PROCESSING TECHNIQUES FOR OPTIMIZING THE SPEED OF PRESENTING BIG DATA	Jurnal Pilar Nusa Mandiri	15 (1), 47-52, 2019

No	Judul Artikel Ilmiah	Nama Jurnal/Penerbit	Volume/ Nomor/Tahun
34	Comparison between the Stemmer Porter Effect and Nazief-Adriani on the Performance of Winnowing Algorithms for Measuring Plagiarism	International Journal on Advanced Science, Engineering and Information Technology (IJASEIT Q2)	Vol 9, No 4 (2019)
35	Real-time Communication Measurement on Web Services in the Fingerprint Machine	2019 IEEE International Conference on Internet of Things and Intelligence System (IoTIS)	2019
36	RFID for nurse activity monitoring in the hospital's nurse call system with Internet of Thing (IoT) concept	IOP Conference Series: Materials Science and Engineering	550 (1), 012025, 2019
37	Stateless Authentication with JSON Web Tokens using RSA-512 Algorithm	JURNAL INFOTEL	11 (2), 36-42, 2019
38	ANALISIS TINGKAT KEPUASAN MAHASISWA TERHADAP SIMAK UNIVERSITAS SILIWANGI MENGGUNAKAN STRUCTURAL EQUATION MODELING	Jurnal Siliwangi Seri Sains dan Teknologi	5 (2), 40-46, 2019
39	Identification of Bacterial Leaf Blight and Brown Spot Disease in Rice Plants with Image Processing Approach	Jurnal Ilmiah Teknik Elektro Komputer dan Informatika (JITEKI)	5 (2), 59-67, 2019
40	PELATIHAN DAN PENERAPAN SISTEM PRESENSI BERBASIS KOMPUTER UNTUK PENGELOLAAN DATA KEHADIRAN APARAT DESA	Jurnal Pengabdian Untuk Mu Negeri	3 (2), 2019
41	Point Clipping Algorithm on Employee Presence Application for Geolocation of Employee Position	Kinetik : Game Technology, Information System, Computer Network, Computing, Electronics, and Control	Vol. 4, No. 4, November 2019
42	IMPLEMENTASI WEB SCRAPING PADA SISTEM INFORMASI LEMBAGA SERTIFIKASI PROFESI UNIVERSITAS SILIWANGI	SISTEMASI: Jurnal Sistem Informasi	8 (3), 397-404, 2019
43	JSON Implementation with Zlib Compression for Database Efficiency in Handling Dynamic Upload Multiple Images	Journal of Telematics and Informatics	7 (3), 2019
44	HAVERSINE FORMULA UNTUK MEMBATASI JARAK PADA APLIKASI PRESENSI ONLINE	Jurnal INSTEK (Informatika Sains dan Teknologi)	4 (2), 171-180, 2019
45	Performance comparison of signed algorithms on JSON Web Token	IOP Conference Series: Materials Science and Engineering	550 (1), 012023, 2019
46	Sistem Informasi Rekomendasi Klinik Kesehatan Menggunakan Algoritma Slope One dan Term Frequency Ranking	Jurnal Ilmiah Informatika	7 (2), 2019
47	Sistem Informasi Akreditasi Perguruan Tinggi (SIAP) untuk Pengisian Borang Standar 3 BAN-PT	Jurnal Sistem dan Teknologi Informasi (JUSTIN)	7 (2), 130-138, 2019
48	PERBANDINGAN ALGORITMA PADA VIRTUAL PRIVATE NETWORK IPSEC TERHADAP KECEPATAN DATA TRANSFER	SISTEMASI: Jurnal Sistem Informasi	9 (2), 259-273, 2020
49	Implementasi Web Service untuk Aplikasi Pemantau Coronavirus Disease 2019 (COVID-19)	Innovation in Research of Informatics (INNOVATICS)	2 (1), 2020
50	The Effect of Implementing Web Push Notification and Customer Relationship Management in E-Commerce of Silver Craft MSME	Sriwijaya International Conference on Information Technology and Its Applications (SICONIAN 2019), Advances in Intelligent Systems Research	2020
51	Web Scraping with HTML DOM Method for Data Collection of Scientific Articles from Google Scholar	Indonesian Journal of Information Systems	2 (2), 95-104, 2020

CONFERENCES

No	Nama Pertemuan Ilmiah / Seminar	Judul Artikel Ilmiah	Waktu dan Tempat
1	Konferensi Nasional Informatika (KNIF) 2015	Pencegahan Ancaman Reverse Engineering Source Code PHP dengan Teknik Obfuscation Code pada Extension PHP	Institut Teknologi Bandung, Bandung, 22 Oktober 2015
2	The 1 st Siliwangi International Conference on Innovation in Research (SICIR) 2018	Performance Comparison of Signed Algorithms on JSON Web Token	Bandung, 14 Agustus 2018
3	International Conference on Industrial, Enterprise, and System Engineering	Web Services to Overcome Interoperability in Fingerprint-based Attendance Systems	Yogyakarta, 21-22 November 2018
4	International Conference on Advancement in Data Science, E-Learning, and Information Systems	Comparison of the Effects Stemmer Porter and Nazief-Adriani on the Performance of Winnowing Algorithms for Measuring Plagiarism	Yogyakarta, 6-7 Februari 2019
5	The 16th International Conference on Quality in Research (QiR)	Performance Analysis of Data Transmission on Websocket for Real-time Communication	Padang, 22-24 Juli 2019
6	The 16th International Conference on Quality in Research (QiR)	Performance Evaluation of Query Response Time in The Document Stored NoSQL Database	Padang, 22-24 Juli 2019
7	The 7th International Conference on Information and Communication Technology (ICoICT)	Real-time Screen Sharing Using Web Socket for Presenting Without Projector	Malaysia, 24-26 Juli 2019
8	The International Conference on Data Engineering and Information System (ICoDEIS)	Comparison of JSON and XML Data Formats In Document Stored NoSql Database Replication Processes	Bali, 5-7 November 2019
9	The International Conference on Data Engineering and Information System (ICoDEIS)	Authentication System and Method for Improving Security Login Without Typing Password	Bali, 5-7 November 2019
10	International Conference on Internet of Things and Intelligence System (IoTaIS)	Real-time Communication Measurement on Web Services in the Fingerprint Machine	Bali, 5-7 November 2019
11	International Conference on Industrial Enterprise and System Engineering (ICoIESE)	Cross Reference Injection for Proof of Ownership Portable Document Format	Bali, 4-5 Maret 2020
12	International Conference on Industrial Enterprise and System Engineering (ICoIESE)	Real-time Web Application Firewall Monitoring uses the OWASP CRS Framework	Bali, 4-5 Maret 2020
13	International Conference on Industrial Enterprise and System Engineering (ICoIESE)	Real-time Eyeglasses Selection Simulator using Haar Cascade Classifier Algorithm in Augmented Reality Technology	Bali, 4-5 Maret 2020
14	The 8th International Conference on Information and Communication Technology (ICoICT)	Optimizing Data Storage in Handling Dynamic Input Fields with JSON String Compression	Yogyakarta, 24-26 Juni 2020
15	The 8th International Conference on Information and Communication Technology (ICoICT)	Applied Internet of Things (IoT): The Prototype Bus Passenger Monitoring System Using PIR Sensor	Yogyakarta, 24-26 Juni 2020

AWARDS

No	Jenis Penghargaan	Institusi Pemberi Penghargaan	Tahun
1	Sebagai artikel terbaik pada Seminar Internasional Conference on Industrial, Enterprise, and System Engineering	Internasional Conference on Industrial, Enterprise, and System Engineering, Universitas Telkom	2018
2	Atas diperolehnya Hak Atas Kekayaan Intelektual (HAKI) Program Komputer	Universitas Siliwangi	2019
3	Atas diperolehnya Hak Atas Kekayaan Intelektual (HAKI) Program Komputer	Universitas Siliwangi	2020