

DAFTAR PUSTAKA

- Alessio Botta, W. d. D. A. D. S. A. A. P., 2013. D-ITG 2.8.1 Manual. *D-ITG 2.8.1 Manual*.
- Badan Penanggulangan Bencana Daerah DKI Jakarta. (2018). *Data Kejadian Kebakaran di Provinsi DKI Jakarta Tahun 2018*. Jakarta: BPBD DKI Jakarta. Diakses melalui <http://data.jakarta.go.id/dataset/data-kejadian-kebakaran-di-provinsi-dki-jakarta-tahun-2018/resource/62a2c982-0d20-4dac-83b0-feec9283d7d9>. Diakses pada 28 Maret 2019
- Badan Pusat Statistik RI. (2017). *Statistik Bahan Bakar Utama Memasak Tahun 2001 2007-2016*. Diakses <https://www.bps.go.id/statictable/2014/09/10/1364/persentase-rumah-tangga-menurut-provinsi-dan-bahan-bakar-utama-untuk-memasak-tahun-2001-2007-2016.html>. Diakses pada 28 Maret 2019.
- Banik, A., Aich, B., & Ghosh, S. (2018). *Microcontroller based low cost gas leakage detector with SMS alert. 2018 Emerging Trends in Electronic Devices and Computational Techniques (EDCT)*.doi:10.1109/edct.2018.8405094
- Bardsiri, A. K., & Hashemi, S. M. (2014). *QoS Metrics for Cloud Computing Services Evaluation*, (November), 27–33. <https://doi.org/10.5815/ijisa.2014.12.04>
- Bellalta, B., Vinel, A., Chatzimisios, P., Bruno, R., Wang, C. (2014) *Research advances and standardization activities in fWLANsg*. Computer Communications 39 (0) (2014) 1 – 2.
- Borgia, E. (2014). “*The internet of things vision: Key features, applications and open issues*,” Comput. Commun., vol. 54, pp. 1–31, 2014. doi: <http://dx.doi.org/10.1016/j.comcom.2014.09.008>
- Biswas, A. R., Giaffreda, R., (2014) “*IoT and cloud convergence: Opportunities and challenges*,” *2014 IEEE World Forum on Internet of Things (WF-IoT)*, Seoul, 2014, pp. 375-376. doi: 10.1109/WF-IoT.2014.6803194



UNIVERSITAS
GADJAH MADA

IMPLEMENTASI DAN ANALISIS KINERJA INTEGRASI MODUL ESP-WROOM-32 DAN CLOUD OBNIZ DENGAN PENGARUH SYN FLOODING ATTACK PADA MIKROKONTROLER OBNIZ DALAM SISTEM PEMANTAUAN DAN PENDETEKSI KEBOCORAN LIQUEFIED PETROLEUM GAS

YUNITA ANGGRIANI S, Muhammad Arrofiq, S.T., M.T., Ph.D.

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Bruno, R., Conti, M., Gregori, E. (2002). *Bluetooth: Architecture, protocols and scheduling algorithms*, Cluster Computing 5 (2) 117–131

Cahaya, L. D. (2017). *Analisis Delay dan Throughput pada Deteksi Tekpat Parkir Mobil Antara Xbee dan Ethernet Shield*. Yogyakarta: Universitas Gadjah Mada.

Chen, Q., Chen, H., Cai, Y., Zhang, Y., Huang, X., (2018) "*Denial of Service Attack on IoT System*," 2018 9th International Conference on Information Technology in Medicine and Education (ITME), Hangzhou, 2018, pp. 755-758.doi: 10.1109/ITME.2018.00171

Cook, D. J. (2012). How Smart Is Your Home ?, 335(March), 1579–1581.

Davidovic, B., Labus, A. (2016) *A SMART HOME SYSTEM BASED ON SENSOR TECHNOLOGY*. Electronics and Energetics Vol. 29, No 3, September 2016, pp. 451 – 460.

Erwanto, R. H. (2018). *Perbandingan Kinerja Antara Modul Xbee S2 dengan Modul ESP8266(12E) Pada Sistem Pemantau Kualitas Udara*. Yogyakarta: Universitas Gadjah Mada.

Espressif System. (2019). *ESP32-WROOM-32 Datasheet*. Tersedia : https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32_datasheet_en.pdf. Diakses pada : 14 April 2019.

Ferro, E., Potorti, F. (2005) *Bluetooth and Wi-Fi wireless protocols: A survey and a comparison*. IEEE Wireless Commun., vol. 12, no. 1, pp. 12–26, 2005

Heo, S., Song, S., Kim, J., & Kim, H. (2017). *RT-IFTTT: Real-Time IoT Framework with Trigger Condition-Aware Flexible Polling Intervals*. 2017 IEEE Real-Time Systems Symposium (RTSS). doi:10.1109/rtss.2017.00032

Hermann, M., Pentek, T., & Otto, B. (2016). Design Principles for Industrie 4.0 Scenarios. <https://doi.org/10.1109/HICSS.2016.488>. IEEE

ITU-T Y.2060, International Telecommunication Union – Series Y: Global Information Infrastructure, Internet Protocol Aspects and Next Generation Networks. (2012) *Overview Internet of Things*. ITU-T Telecommunication Standardization Sector of ITU.



UNIVERSITAS
GADJAH MADA

**IMPLEMENTASI DAN ANALISIS KINERJA INTEGRASI MODUL ESP-WROOM-32 DAN CLOUD OBNIZ
DENGAN PENGARUH SYN
FLOODING ATTACK PADA MIKROKONTROLER OBNIZ DALAM SISTEM PEMANTAUAN DAN
PENDETEKSI KEBOCORAN LIQUEFIED
PETROLEUM GAS**

YUNITA ANGGRIANI S, Muhammad Arrofiq, S.T., M.T., Ph.D.

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- Kortuem, G., Kawsar, F., Sundramoorthy, V., and Fitton, D. (2010) *Smart objects as building blocks for the Internet of Things*. IEEE Internet Computing, **14**(1), 44–51
- Kurzekar, R., Arora, H., and Shrestha, R., (2017) "*Embedded Hardware Prototype for Gas Detection and Monitoring System in Android Mobile Platform*," 2017 IEEE International Symposium on Nanoelectronic and Information Systems (iNIS), Bhopal, 2017, pp. 6-10.doi: 10.1109/iNIS.2017.11
- Leloglu, E. (2017) *A Review of Security Concerns in Internet of Things*. Journal of Computer and Communications, 5, 121-136. <http://dx.doi.org/10.4236/jcc.2017.51010>
- Liang, L., Zheng, K., Sheng, Q., Huang, X. (2016) "*A Denial of Service Attack Method for an IoT System*," 2016 8th International Conference on Information Technology in Medicine and Education (ITME), Fuzhou, 2016, pp. 360-364.doi: 10.1109/ITME.2016.0087
- Maier, A., Sharp, A., Vagapov, Y. (2017). *Comparative analysis and practical implementation of the ESP32 microcontroller module for the internet of things*," 2017 Internet Technologies and Applications (ITA), Wrexham, 2017, pp. 143-148. doi: 10.1109/ITECHA.2017.8101926
- Malik, M., & Singh, Y. (2015). *A Review : DoS and DDoS Attacks*, IJCSMC, 4(6), 260–265.
- Mhatre, L., Rai, N., (2017) "*Integration between wireless sensor and cloud*," 2017 International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Palladam, 2017, pp. 779-782. doi: 10.1109/I-SMAC.2017.8058285
- Misra, G., Kumar, V., Agarwal, A., Agarwal, K. (2016). *Internet of Things (IoT) – A Technological Analysis and Survey on Vision , Concepts , Challenges , Innovation Directions , Technologies , and Applications (An Upcoming or Future Generation Computer Communication System Technology)* 4(1), 23–32. <https://doi.org/10.12691/ajeee-4-1-4>. American Journal of Electrical and Electronic Engineering



UNIVERSITAS
GADJAH MADA

**IMPLEMENTASI DAN ANALISIS KINERJA INTEGRASI MODUL ESP-WROOM-32 DAN CLOUD OBNIZ
DENGAN PENGARUH SYN
FLOODING ATTACK PADA MIKROKONTROLER OBNIZ DALAM SISTEM PEMANTAUAN DAN
PENDETEKSI KEBOCORAN LIQUEFIED
PETROLEUM GAS**

YUNITA ANGGRIANI S, Muhammad Arrofiq, S.T., M.T., Ph.D.

Universitas Gadjah Mada, 2019. Diunduh dari <http://etd.repository.ugm.ac.id/>

Obniz. (2018) *Obniz*. [Online] Tersedia : <https://obniz.io/> Accessed 03 Januari 2019.

- Patel, K. K., Patel, S. M. (2016). *Internet of Things-IOT: Definition, Characteristics, Architecture, Enabling Technologies, Application & Future Challenges*. DOI 10.4010/2016.1482. International Journal of Engineering Science and Computing.
- Poslad, S. (2009) *Ubiquitous Computing: Smart Devices, Environments, and Interactions*. John Wiley & Sons, Inc. Chichester, UK
- Puzmanova, R. (2002). *Routing and Switching: time of convergence*. s.l.: Addison-Wesley Professional
- Rai, P., Rehman, M. (2019) *ESP32 Based Smart Surveillance System, 2019 2nd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)*, Sukkur, Pakistan, 2019, pp. 1-3. doi: 10.1109/ICOMET.2019.8673463. IEEE
- Robles, R. J., Kim, T. (2010). *Applications, Systems and Methods in Smart Home Technology : A Review*, 15, 37–48. International Journal of Advanced Science and Technology
- Salman, T., & Jain, R. (2017). *A Survey of Protocols and Standards for Internet of Things*. Advanced Computing and Communications , Vol . 1 , No . 1 , March 2017 ., 1(1).
- Sánchez López, T., Ranasinghe, D. C., Patkai, B., and McFarlane, D. (2011) *Taxonomy, technology and applications of smart objects*. Information Systems Frontiers, **13**(2), 281–300.
- Santiputri, M., Tio, M. (2018). IoT-based Gas Leak Detection Device. *International Conference on Applied Engineering (ICAE)*, Batam, 2018, pp. 1-4. doi: 10.1109/INCAE.2018.8579396
- Saputra, L.K.P., Lukito, Y. (2017) *Implementation of air conditioning control system using REST protocol based on NodeMCU ESP8266*. 2017 International Conference on Smart Cities, Automation & Intelligent Computing Systems (ICON-SONICS), Yogyakarta, 2017, pp. 126-130. doi: 10.1109/ICON-SONICS.2017.8267834

- Schoder, D. (2018). *Introduction to the Internet of Things*. Internet of Things A to Z, 1–50. doi:10.1002/9781119456735.ch1 <https://ieeexplore.ieee.org/document/8390728>
- Singh, K.J, Kapoor, D.S. (2017). *Create your own Internet of Things: A survey of IoT platforms*. IEEE Consumer Electronics Magazine vol. 6 no. 2 pp. 56-68 April 2017.
- Silva, B. G., Khan, M., Han, K. (2017) *Internet of Things: A Comprehensive Review of Enabling Technologies, Architecture, and Challenges*. IETE Technical Review, DOI: 10.1080/02564602.2016.1276416
- Spandana, G., Shanmugasundram, R. (2018). *Design and Development of Air Pollution Monitoring System for Smart Cities*. 2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2018, pp. 1640-1643. doi: 10.1109/ICCONS.2018.8662932
- Telegram. (2019). <https://core.telegram.org/> 04 April 2019
- Thaker, T. (2016). *ESP8266 based implementation of wireless sensor network with Linux based web-server. 2016 Symposium on Colossal Data Analysis and Networking (CDAN)*, Indore, 2016, pp. 1-5. doi: 10.1109/CDAN.2016.7570919
- TIPHON, Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON). (1999) *General aspects of Quality of Service*. TR 101 329-7 V2.1.1, 1-3. ETSI : France.
- Vaidya, V. D., Vishwakarma, P., (2018). "A Comparative Analysis on Smart Home System to Control, Monitor and Secure Home, based on technologies like GSM, IOT, Bluetooth and PIC Microcontroller with ZigBee Modulation," 2018 International Conference on Smart City and Emerging Technology (ICSCET), Mumbai, 2018, pp. 1-4. doi: 10.1109/ICSCET.2018.8537381
- Vasantakumaar, N. (2018). *Intelligent Gas Leakage Detection System with IoT Using ESP 8266 Module*. (December). <https://doi.org/10.15662/IJAREEIE.2018.0712003>



UNIVERSITAS
GADJAH MADA

**IMPLEMENTASI DAN ANALISIS KINERJA INTEGRASI MODUL ESP-WROOM-32 DAN CLOUD OBNIZ
DENGAN PENGARUH SYN
FLOODING ATTACK PADA MIKROKONTROLER OBNIZ DALAM SISTEM PEMANTAUAN DAN
PENDETEKSI KEBOCORAN LIQUEFIED
PETROLEUM GAS**

YUNITA ANGGRIANI S, Muhammad Arrofiq, S.T., M.T., Ph.D.

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Velumani, B. (2014). *The Internet of Things (IoT) Applications and Communication
Enabling Technology Standards : An Overview, (October 2017).*
<https://doi.org/10.1109/ICICA.2014.73>

Vermesan, O., & Friess, P. (2013). *Internet of Things – From Research and Innovation to
Market Deployment.*

Wu, S.-J., Huang, S.-Y., Huang, K.-F. (2012) *Efficient quality of service scheduling
mechanism for wimax networks.* Computer Communications 35 (8) (2012) 936 – 951.