DAFTAR PUSTAKA

Adawiyah, R, 2017, Analisis Kapasitas Penampang Jembatan Rangka Baja Kali Lekso pada Kondisi Eksisting dengan Adanya Peningkatan Kelas Jalan, *Skripsi*, Jurusan Teknik Sipil, Fakultas Teknik, Universitas Muhammadiyah Malang, Malang.

Anderson, J. C., 2001. *The Seismic Design Handbook*, *2nd Edition*, Edited By Farzad Naeim. Kluwer Academic Publishers, Norwell, Massachusetts.

Anonim, 2013, MPU-6000 and MPU-6050 Product Specification Revision 3.4, *https://invensense.tdk.com/wp-content/uploads/2015/02/MPU-6000-Datasheet1.pdf*, Diakses pada 22 April 2020.

Ardhi, S.A., Utomo, T.C., Wibowo, A., dan Wijatmiko, A., 2014, Analisis Kemampuan Layanan Jembatan Rangka Baja Soekarno-Hatta Malang Ditinjau dari Aspek Getaran, Lendutan, dan Usia Fatik, *Jurnal Mahasiswa Jurusan Teknik Sipil*, Vol. 1, No. 1.

Asiyanto,2005, Metode konstruksi proyek jalan, *UI-Press*, pp. 63–77.

Reddy, B. S. dan Chatterji, B. N., 1996 An FFT-based technique for translation, rotation, and scale-invariant image registration, *IEEE Transactions on Image Processing*, vol. 5, no. 8, pp. 1266-1271

Burd, B. 2015. *Android Application Development All-in-One For Dummies. 2nd Edition*, John Willey and Sons, New Jersey.

Buyya, R., & Dastierdi, A. V. (2016). Internet of Things Principles and Paradigms. In A. Invernizzi (Ed.), *International Journal of Communication Systems* (Vol. 25). https://doi.org/10.1002/dac.2417

Dirjen Bina Marga, 2009, *Pedoman Konstruksi Bangunan: Pemeriksaan Jembatan Rangka Baja*, Kementerian Pekerjaan Umum Direktorat Jenderal Bina Marga, Jakarta.

FEMA 451B. 2007. NEHRP Recommended Provisions for New Buildings & Other Structures – Training & Instructional Materials. Washington.

Fu, Q., dan Han, B., 2017, Bridge Vibration Monitoring System Based on Vibrating-Wire Sensor and ZigBee Technologies, *Prosiding 9th International Conference on Communication Software and Networks*, GuangZhou, Cina.

Haddade, H., Zainuddin, Z., dan Niswar, M., 2018, Jaringan Sensor Strain untuk Monitoring Jembatan, *Jurnal Pasca Universitas Hasanuddin*.

Islam, A., Li, F., Hamid, H., dan Jaroo, A., 2014, Bridge Condition Assessment and Load Rating using Dynamic Response, *Laporan FHWA/OH*, Youngstown State University, Youngstown, Ohio.

Lee, J., Tyan, Y., Wen, M., dan Wu, Y., 2017. Development of an IoT-based Bridge Safety Monitoring System, *Prosiding IEEE International Conference of Applied System Innovation (ICASI) 2017*, Meen, Prior dan Lam (Eds).

Li, Hui, 2018, Natural Frequencies and Mode Shapes 6.1 Introduction, *ResearchGate*, Hal. 263.

Lyons, J., Stark, G., Herde, H., 2018, Fourier Transform Spectroscopic Photoabsorption Cross Sections and Oscillator Strengths for the $S^2B^3\Sigma_u^- - X^3\Sigma_g^-$ System, *Journal of Chemical Physics, vol. 148, no. 24, pp. 1-8*.

Madutujuh, N, 2018, Bridge Management and Inspection System (Studi Kasus Jembatan di USA dan Aplikasinya untuk Indonesia), *ResearchGate*.

Marsuki, M., Triwiyono, A., dan Christady, H., 2009, Penilaian Kondisi Jembatan dengan Metode NYSDOT (Studi Kasus 3 Jembatan di Kota Kendari), *Forum Teknik Sipil*, Vol. 19, No. 1.

Mohamed, B., Tahar, E., dan Houria, R., 2017, Remote Sensing of Damage Bridge Structure of Free Vibration by Using Finite Element Method Based on Jerk-Energy, *Prosiding IEEE/ACIS 16th International Conference on Computer and Information Science (ICIS) 2017*, Wuhan, Cina.

Nababan, P.H.A., 2008, Structural Health Monitoring System Alat Bantu Mempertahankan Usia Teknis Jembatan, *Prosiding One Day Seminar Construction and Maintenance of Main Span Suramadu Bridge 2018*, Surabaya.

Nugroho, G, 2018, Pengaruh Mode Shape Frekuensi Alami terhadap Estimasi Gaya Tarik Batang Baja dengan Metode Vibrasi, *Semesta Teknika*, Vol. 21, No. 2, Hal. 198-205.

Pastor, M., Binda, M., dan Harcarik, T., 2012, Modal Assurance Criterion, *Jurnal Procedia Engineering*, No. 48, Hal. 543-548.

Putra, S.A., Sani, G.A.A., Nurwijaya, A.T., Anandadigda, A., Wijayanto, P.B., Trilaksono, B.R., dan Riyansyah, M., 2018, Sistem Penilaian Kondisi Jembatan Menggunakan Respons Dinamik dengan Wireless Sensor Network, *JNTETI*, Vol. 7, No. 3.

Putra, S.A., Trilaksono, B.R., Riyansyah, M., Laila, D.S., Harsoyo, A., dan Kistijantoro, A.I., 2019, Intelligent Sensing with Multiagent-based Wireless Sensor Network for Bridge Condition Monitoring System, *Jurnal IEEE Internet of Things*.

Rakhmadi, I., dan Basuki, P., 2013, Purwapura Sistem Pemantau Getaran pada Bangunan Bertingkat Dua Menggunakan Sensor Akselerometer, *Jurnal IJEIS*, Vol. 3, No. 2, Hal. 197-206.

Ren, W. dan Zong, Z., 2003. Output-Only Modal Parameter Identification of Civil Engineering Structures*, Structural Engineering and Mechanics, Vol. 17, No. 3-4*

Sabiq, A., Nurmaya, dan Alfarisi, T., 2017, Sistem Wireless Sensor Network Berbasis Arduino Uno dan Raspberry Pi untuk Pemantauan Kualitas Udara di Cempaka Putih Timur, Jakarta Pusat, *Prosiding CITEE (Conference of Information Technology and Electrical Engineering) 2017*, Yogyakarta, Indonesia.

Sazonov, E., Li, H., Curry, D., dan Pillay, P., 2009, Self-Powered for Monitoring of Highway Bridges, *Jurnal IEE Sensors*, Vol. 9, No. 11.

Setiati, N.R., 2015, Kajian Hasil Sistem Monitoring Jembatan Integral Sinapeul Ditinjau dari Regangan Kepala Jembatan, *Jurnal Jalan Jembatan*, Vol. 32, No. 1.

Struyk H.J. dan Van der Veen, K.H.C.W, 1984, *Jembatan*, (diterjemahkan oleh : Soemargono), P.T. Pradnya Paramita : Jakarta

Susanto, T., dan Budipriyanto, A., 2014, Deteksi Kerusakan dan Penempatan Sensor Berbasis Respons Dinamis Struktur: Kasus Jembatan KA Porong Sidoarjo, *Jurnala Aplikasi*, Vol. 12, No. 2.

Thomson, W.T. dan Prasetyo, L, 1986, *Teori Getaran dengan Penerapan*, Edisi Kedua, Erlangga, Jakarta.

Widjaja, Veronika, 2017, Landasan Teori Wireless Sensor Network (WSN), *http://repository.dinamika.ac.id/1107/5/BAB_II.pdf*, Diakses pada 16 April 2020.