DAFTAR PUSTAKA

Ahmad, I.A., Suryanto, M., 2012. Analisis Produktivitas dan Biaya Operasional *Tower crane* Pada Proyek Puncak Central Business District Surabaya. Universitas Negeri Surabaya.

Ahmad Satria, F., Sindhu Pribadi, O., Rosnarti, D., Arsitektur, J., Trisakti, U., 2021. STRUKTUR *SPACE FRAME* SEBAGAI ELEMEN ESTETIKA PADA RANCANGAN ATAP STADION AKUATIK CENTER GBK, JAKARTA PUSAT *SPACE FRAME* STRUCTURE AS AESTHETIC ELEMENT IN THE ROOF DESIGN OF THE AQUATIC CENTER STADIUM IN GBK, CENTRAL JAKARTA.

Ali, B., Zahoor, H., Aibinu, A., Nasir, A.R., Tariq, A., Imran, U., Khan, R.M., 2021. BIM AIDED INFORMATION and VISUALIZATION REPOSITORY for MANAGING CONSTRUCTION DELAY CLAIMS. Journal of Information Technology in Construction 26, 1023–1040. https://doi.org/10.36680/J.ITCON.2021.054

Alijoyo, A., Wijaya, Q.B., Jacob, I., 2021. Structured or Semi-structured Interviews.

Amalia, S.D., Purwadi, D., 2017. Analisis Produktivitas *Tower crane* pada Proyek Pembangunan Gedung Tunjungan Plaza 6 Surabaya. Rekayasa Teknik Sipil - Rekats 01, 144–155.

Angelica, N.P., Puspasari, V.H., 2024. Kajian Faktor-Faktor yang Mempengaruhi Produktivitas Tenaga Kerja Proyek Konstruksi. Basment Jurnal Teknik Sipil.

Athmani, W., Sriti, L., Dabaieh, M., Younsi, Z., 2023. The Potential of Using Passive Cooling Roof Techniques to Improve Thermal Performance and Energy Efficiency of Residential Buildings in Hot Arid Regions. Buildings 13. https://doi.org/10.3390/buildings13010021

Avinash, M., Rupesh, P., 2008. Development of *Winch* Machine For *Erection* of Transmission Tower-A Review. International Research Journal of Engineering and Technology 7551.

Bahr, T., Laszig, F., 2021. PRODUCTIVITY DEVELOPMENT IN THE CONSTRUCTION INDUSTRY AND HUMAN CAPITAL: A LITERATURE REVIEW. An International Journal (CiVEJ) 8. https://doi.org/10.5121/civej.2021.8101

Bannikov, D.O., Radkevich, A.V., Nikiforova, N.A., 2019. Features of the design of steel frame structures in India for seismic areas. Materials Science Forum 968, 348–354. https://doi.org/10.4028/www.scientific.net/MSF.968.348

Bilici, E., Andiç, G.V., Akay, A.E., Sessions, J., 2019. Productivity of a portable *winch* system used in salvage logging of storm-damaged timber. Croatian Journal of Forest Engineering 40, 311–318. https://doi.org/10.5552/crojfe.2019.590

Cai, B., Ye, Z., Chen, S., Liang, X., 2024. Reducing Safety Risks in Construction *Tower crane* Operations: A Dynamic Path Planning Model. Applied Sciences (Switzerland) 14. https://doi.org/10.3390/app142210599

Chandra, S.S., Sepasgozar, S.M.E., Kumar, V.R.P., Singh, A.K., Krishnaraj, L., Awuzie, B.O., 2023. Assessing Factors Affecting Construction Equipment Productivity Using Structural Equation Modeling. Buildings 13. https://doi.org/10.3390/buildings13020502

Choi, J.K., Shiraishi, T., Tanaka, T., Kondo, H., 2011. Safe operation of an autonomous underwater towed vehicle: Towed force monitoring and control. Autom Constr 20, 1012–1019. https://doi.org/10.1016/j.autcon.2011.04.002

Choi, Y.S., Kim, T., Kim, S., 2020. Comparative Analysis of Lifting Loads of *Tower crane*sby Core Structure Construction Methods. International Journal of High-Rise Buildings 9, 301–306. https://doi.org/10.21022/IJHRB.2020.9.3.301

Danel, T., Lafhaj, Z., Puppala, A., Lienard, S., Richard, P., 2021. Proposal for *tower crane* productivity indicators based on data analysis in the era of construction 4.0. Buildings 11, 1–15. https://doi.org/10.3390/buildings11010021

Dokumen Arsip Proyek, 2023. Gedung Gelanggang Inovasi dan Kreativitas (GIK) UGM. Yogyakarta.

Duțu, I.C., Frățilă, C., Axinte, T., Munteanu, M.G., Calancea, L., Diaconu, M., Drăgan, C., 2021. Control efficiency improvement of an electro-hydraulic *winch*. Technium Romanian Journal of Applied Sciences and Technology. https://doi.org/10.47577/technium.v3i9.5093

El-Tourkey, M., Alshibani, A., Mohammed, A., Shash, A., Tuffaha, F., 2022. An integrated decision support system for *mobile crane* selection. Expert Syst Appl 189. https://doi.org/10.1016/j.eswa.2021.116053

Forsythe, P.J., Sepasgozar, S.M.E., 2019. Measuring installation productivity in prefabricated timber construction. Engineering, Construction and Architectural Management 26, 578–598. https://doi.org/10.1108/ECAM-09-2017-0205

Görçün, Ö.F., Doğan, G., 2023. *Mobile crane* selection in project logistics operations using Best and Worst Method (BWM) and fuzzy Measurement of Alternatives and Ranking according to COmpromise Solution (MARCOS). Autom Constr 147. https://doi.org/10.1016/j.autcon.2022.104729

Grzywiński, M., 2016. Optimization Of Double-Layer Braced Barrel Vaults. Transactions of the VŠB – Technical University of Ostrava, Civil Engineering Series. 15. https://doi.org/10.1515/tvsb-2015-0006

Guo, H., Zhou, Y., Pan, Z., Zhang, Z., Yu, Y., Li, Y., 2022. Automated Selection and Localization of *Mobile crane*s in Construction Planning. Buildings 12. https://doi.org/10.3390/buildings12050580

Han, S., Hasan, S., Lei, Z., Altaf, M.S., Al-Hussein, M., 2013. A framework for crane selection in large-scale industrial construction projects, dalam: ISARC 2013 - 30th International Symposium on Automation and Robotics in Construction and Mining, Held in Conjunction with the 23rd World Mining Congress.

Hasan, S., Bouferguene, A., Al-Hussein, M., Gillis, P., Telyas, A., 2013. Productivity and CO2 emission analysis for *tower crane* utilization on high-rise building projects. Autom Constr 31, 255–264. https://doi.org/10.1016/j.autcon.2012.11.044

Hayashi, S., Gondo, T., 2021. Analysis of the construction of a reinforced-concrete free-form roof formwork and the development of a unit-construction method. Journal of Building Engineering 34. https://doi.org/10.1016/j.jobe.2020.101924

Hyun, H., Park, M., Lee, D., Lee, J., 2021. *Tower crane* location optimization for heavy unit lifting in high-rise modular construction. Buildings 11. https://doi.org/10.3390/buildings11030121

Indarto, H., 2009. Analisis Struktur-III. Jurusan Teknik Sipil Universitas Diponegoro.

Jacobs, L.D., Kosbab, B.D., Leon, R.T., DesRoches, R., 2011. Seismic behavior of a jumbo container crane including uplift. Earthquake Spectra 27, 745–773. https://doi.org/10.1193/1.3610238

Jin, L., Liu, H., Zheng, X., Chen, S., 2020. Exploring the Impact of Wind Loads on *Tower crane* Operation. Math Probl Eng 2020. https://doi.org/10.1155/2020/2807438

Kallio, H., Pietilä, A.M., Johnson, M., Kangasniemi, M., 2016. Systematic methodological review: developing a framework for a qualitative semi-structured interview guide. J Adv Nurs. https://doi.org/10.1111/jan.13031

Khosrowshahi, F., Arayici, Y., 2012. Roadmap for implementation of BIM in the UK construction industry. Engineering, Construction and Architectural Management. https://doi.org/10.1108/09699981211277531

Kubota, Y., 2010. Systematization of structures and forms of *Truss* systems, dalam: 34TH INTERNATIONAL SYMPOSIUM ON BRIDGE AND STRUCTURAL ENGINEERING. https://doi.org/10.2749/222137810796024141

Kusnan, I., 2017. ANALISIS PRODUKTIVITAS *TOWER CRANE* PADA PROYEK PEMBANGUNAN GEDUNG TUNJUNGAN PLAZA 6 SURABAYA.

Kwon, J., Huh, Y., 2021. 초고층 공동주택 RC 공사의 생산성 및 타워크레인 가동율 분석 Productivity Analysis of Reinforced Concrete Works and *Tower crane* Working Ratio for High-rise Apartment Buildings. https://doi.org/10.6106/KJCEM.2021.22.1.055

Lan, T.T., 1999. *Space Frame* Structures, dalam: Chen Wai-Fah (Ed.), Structural Engineering Handbook. CRC Press LLC.

Liu, C., Zhang, F., Han, X., Ye, H., Shi, Z., Zhang, J., Wang, T., She, J., Zhang, T., 2022. Intelligent Optimization of *Tower crane* Location and Layout Based on Firefly Algorithm. Comput Intell Neurosci 2022. https://doi.org/10.1155/2022/6810649

Maddeppungeng, A., Asyiah, S., Intari, D.E., Setiawati, D.N., Ujianto, R., Gibran, A., 2024. *Tower crane* Productivity Analysis On Apartment Development Projects Article Info ABSTRACT. Jurnal Teknik Sipil 13. https://doi.org/10.36055/fondasi

Mahardhika, S., Nursin, A., 2022. OPTIMALISASI LETAK *TOWER CRANE* TERHADAP WAKTU SIKLUS PADA PROYEK Y. Construction and Material Journal.

Mal Kothari, K., Samba, V., Udayakumar, R.D., Karthikeyan, R., 2019. Modelling and evolution of designing the hydraulic circuit for a cable pulling *winch* machine, dalam: Journal of Physics: Conference Series. Institute of Physics Publishing. https://doi.org/10.1088/1742-6596/1276/1/012027

Manrique, A., Saman, J., Rodriguez, S., Melendez, K., 2020. Productivity improvement of *tower crane* in tall buildings, dalam: IOP Conference Series: Materials Science and Engineering. Institute of Physics Publishing. https://doi.org/10.1088/1757-899X/758/1/012042

Marzouk, M., Abubakr, A., 2016. Decision support for *tower crane* selection with building information models and genetic algorithms. Autom Constr 61, 1–15. https://doi.org/10.1016/j.autcon.2015.09.008

Nadar, M.A., Awakian, C.A., Khoury, H.K., 2013. An intelligent system for monitoring *tower crane*s on construction sites, dalam: ISARC 2013 - 30th International Symposium on Automation and Robotics in Construction and Mining, Held in Conjunction with the 23rd World Mining Congress. Canadian Institute of Mining, Metallurgy and Petroleum, hlm. 1239–1246. https://doi.org/10.22260/isarc2013/0139

Naveen Kumar, P., Prakash, R., Sangeetha, P., 2020. Analytical Study on the Behaviour of Composite Space *Truss* Structures with Openings in a Concrete Slab. Civil and Environmental Engineering Reports 30, 265–280. https://doi.org/10.2478/ceer-2020-0044

Nugroho, A.R., Nugraheni, Fi., 2019. Analisis Pemilihan Alat Angkut Rangka Atap Baja Antara *Tower crane* Dan Materials Hoist Pada Pekerjaan Atap Di Proyek

Pembangunan Gedung Fakultas Hukum UII. Fakultas Teknik Sipil dan Perencanaan, Universitas Islam.

Open AI, 2022. Whisper.

Peng, L., Chua, D.K.H., 2017. Decision Support for *Mobile crane* Lifting Plan with Building Information Modelling (BIM), dalam: Procedia Engineering. Elsevier Ltd, hlm. 563–570. https://doi.org/10.1016/j.proeng.2017.03.154

Petroutsatou, K., Kantilierakis, D., 2023. Productivity Analysis and Associated Risks in Steel Structures. Buildings 13. https://doi.org/10.3390/buildings13040905

Peurifoy, R.L., Oberlender, C.J., Schexnayder, J., Shapira, A., 2018. Construction planning, equipment, and methods, 9th ed. McGraw-Hill.

Rabionet, S.E., 2011. How I learned to design and conduct semi-structured interviews: An ongoing and continuous journey. Qualitative Report 16, 563–566. https://doi.org/10.46743/2160-3715/2011.1070

Radford, A., Kim, J.W., Xu, T., Brockman, G., Mcleavey, C., Sutskever, I., 2022. Robust Speech Recognition via Large-Scale Weak Supervision.

Rahmania, A., Ischak, M., Marlina, E., 2020. Struktur *Space Frame* sebagai Komponen Pembentuk Estetika pada Perancangan Gedung Pusat Seni Budaya Jawa Barat di Bandung *Space Frame* Structure as an Aesthetic Component in the Design of Art And Cultural Center in Bandung West Java 18, 60–68.

Randolph Thomas, B.H., Maloney, W.F., Malcolm Horner, R.W., Smith, G.R., Handa, V.K., Sanders, S.R., 1990. MODELING CONSTRUCTION LABOR PRODUCTIVITY.

Rinke, M., 2016. Formal and structural multiplicity in early *Truss* design. Structures and Architecture - Proceedings of the 3rd International Conference on Structures and Architecture.

Rostiyanti, S.F., 2008. Alat Berat untuk Proyek Konstruksi, 2 ed. PT Rineka Cipta, Jakarta.

Sangeetha, P., Senthil, R., Naveen Kumar, P., 2018. Influence of design parameters on composite and noncomposite space *Truss* structure analysed using ANSYS, dalam: Lecture Notes in Mechanical Engineering. Pleiades journals, hlm. 111–121. https://doi.org/10.1007/978-981-13-1724-8_11

Seong, T.H., Ngian, S.P., Zin, R.M., 2023. Economical Aspect of *Truss* Design Through Geometry Configuration. Journal of Advanced Research in Applied Sciences and Engineering Technology 30, 105–114. https://doi.org/10.37934/araset.30.1.105114

Shapira, A., Asce, M., Lucko, G., Asce, A.M., Schexnayder, C.J., Asce, F., 2007. Cranes for Building Construction Projects. https://doi.org/10.1061/ASCE0733-93642007133:9690

Shehata, M., Hafez, S.M., El-Lakany, A., Abo El-Magd, Y., 2007. Establishing the optimum location of a single *tower crane* using a smart mathematical model, Alexandria Engineering Journal.

Sinaga, F.Z., Solikin, M., 2023. Produktivitas Alat Berat *Tower crane* Untuk Pengecoran Pada Pembangunan Gedung (Studi Kasus Proyek Pembangunan Gedung XYZ di Jl. Pemuda). Prosiding Seminar Nasional Teknik Sipil.

Subagyo, G.W., Tjondro, R., Jaya, U.P., 2021. ANALISIS PRODUKTIVITAS *TOWER CRANE* (Studi Kasus Proyek Bintaro Jaya Xchange Tahap II, Tangerang Selatan). Construction Engineering and Sustainable Development.

Tang, Y., Wu, H., Liu, H., 2015. The wireless monitoring system of *tower crane*s based on MCP2515/CAN bus.

Tiainen, T., Mela, K., Jokinen, T., Heinisuo, M., 2017. The effect of steel grade on weight and cost of warren-type welded tubular *Truss*es. Proceedings of the Institution of Civil Engineers: Structures and Buildings 170, 855–873. https://doi.org/10.1680/jstbu.16.00112

Umasugi, A., Sari, S.N., Maulana, R., 2025. Crawler Crane Productivity Analysis on *Erection* Girder Work for Toll Road Construction Solo - Yogyakarta. G-Tech: Jurnal Teknologi Terapan 9, 211–219. https://doi.org/10.70609/gtech.v9i1.6034

Vayas, I., Ermopoulos, J., Ioannidis, G., 2019. Fabrication and *erection*, dalam: Springer Tracts in Civil Engineering. Springer, hlm. 337–400. https://doi.org/10.1007/978-3-319-95474-5_8

Weng, Z., Cao, X., Wang, X., Wang, D., 2020. A Path Planning Method For Overhead Crane Based on Spatial Stratification, dalam: The 8th International Conference on Control, Mechatronics and Automation. IEEE.

Xu, J., Zhu, Y., Wang, Q., Xu, Y., Chen, R., Ma, R., 2023. Flexural behavior of open-web composite slab with I-shaped steel bottom chord and vertical flat webs. Structures 58. https://doi.org/10.1016/j.istruc.2023.105434

Yates, J.K., 2014. Productivity Improvement Construction Engineering and for Implementing Programs That Save Money and Time. ASCE Press, Virginia.

Yazdi, A.J., Maghrebi, M., Bolouri Bazaz, J., 2018. Optimizing the lift process in high-rise construction projects. https://doi.org/10.22060/ceej.2018.13868.5496