UNIVERSITAS
GADJAH MADA
Evaluasi Akurasi Hasil Pemindaian Scan-to-BIM Terhadap Kondisi Aktual Gedung Daruslan Menggunakan
Integrasi Building Information Modelling dan Augmented Reality
Alfath Qornain Isnan Yuliadi, Ir. Ika Rahmawati Suyanto, S.T., M.Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Abreu, N., Pinto, A., Matos, A., Pires, M., 2023. Procedural Point Cloud Modelling in Scan-to-BIM and Scan-vs-BIM Applications: A Review. ISPRS Int. J. Geo-Inf. 12, 260. https://doi.org/10.3390/ijgi12070260

Abualdenien, J., Borrmann, A., 2022. Levels of detail, development, definition, and information need: a critical literature review. J. Inf. Technol. Constr. 27, 363–392. https://doi.org/10.36680/j.itcon.2022.018

Anggraini, T., Husni, H.R., 2023. Pemodelan Gedung Kuliah Bersama Politeknik Negeri Lampung Menggunakan Building Information Modeling (BIM).

Azahro, D., Broto, A.B., 2025. ANALISIS IMPLEMENTASI BIM DENGAN PENGGUNAAN AUGMENTED REALITY DALAM PENGAWASAN KONSTRUKSI.

Bhatarai, R., Banihashemi, S., Shakouri, M., Antwi-Afari, M., 2025. Integration of Augmented Reality with Building Information Modeling: Design Optimization and Construction Rework Reduction Perspective. Arch. Comput. Methods Eng. 32, 2233–2254. https://doi.org/10.1007/s11831-024-10211-6

Chen, Y., Luo, X., 2026. Indoor scan-to-BIM workflows: Progress, challenges, and future directions (2014–2024). Autom. Constr. 181, 106578. https://doi.org/10.1016/j.autcon.2025.106578

De Brito, J., Silva, A., 2020. Life Cycle Prediction and Maintenance of Buildings. Buildings 10, 112. https://doi.org/10.3390/buildings10060112

Ghani, B.A., 2025. Augmented Reality in Construction: Enhancing Efficiency and Collaboration. Int. J. Sci. Res. Comput. Sci. Eng. Inf. Technol. 11, 1836–1844. https://doi.org/10.32628/CSEIT23112550

Hodson, T.O., 2022. Root-mean-square error (RMSE) or mean absolute error (MAE): when to use them or not. Geosci. Model Dev. 15, 5481–5487. https://doi.org/10.5194/gmd-15-5481-2022

Kekeç, B., BiLiM, N., Karakaya, E., GhiLoufi, D., 2021. APPLICATIONS OF TERRESTRIAL LASER SCANNING (TLS) IN MINING: A REVIEW. Turk. Lidar J. https://doi.org/10.51946/melid.927270

UNIVERSITAS
GADJAH MADA
**Evaluasi Akurasi Hasil Pemindaian Scan-to-BIM Terhadap Kondisi Aktual Gedung Daruslan Menggunakan
Integrasi Building Information Modelling dan Augmented Reality**
Alfath Qornain Isnan Yuliadi, Ir. Ika Rahmawati Suyanto, S.T., M.Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Olanipekun, A.O., Sutrisna, M., 2021. Facilitating Digital Transformation in Construction—A Systematic Review of the Current State of the Art. Front. Built Environ. 7, 660758. https://doi.org/10.3389/fbuil.2021.660758

Pan, N.-H., Isnaeni, N.N., 2024. Integration of Augmented Reality and Building Information Modeling for Enhanced Construction Inspection—A Case Study. Buildings 14, 612. https://doi.org/10.3390/buildings14030612

Prasetyo, M.B., 2025. EVALUASI AKURASI GEOMETRI MODEL BUILDING INFORMATION MODELING GEDUNG DARUSLAN BERDASARKAN DATA POINT CLOUD. Universitas Gadjah Mada, Yogyakarta.

Rohman, A., Rinaldi, A., Hidayat, F., 2022. Pembuatan Augmented Reality berbasis Titik untuk Mendukung Building Information Modelling (BIM). J. Inov. Konstr. 19–24. https://doi.org/10.56911/jik.v1i1.13

Skrzypczak, I., Oleniacz, G., Leśniak, A., Zima, K., Mrówczyńska, M., Kazak, J.K., 2022. Scan-to-BIM method in construction: assessment of the 3D buildings model accuracy in terms inventory measurements. Build. Res. Inf. 50, 859–880. https://doi.org/10.1080/09613218.2021.2011703

Sugiyono, 2025. Statistika untuk Penelitian (EDISI REVISI), 3rd ed. ALFABETA.

U.S. Institute of Building Documentation, 2016. USIBD Level of Accuracy(LoA) Specification Guide.

Wu, C., Yuan, Y., Tang, Y., Tian, B., 2021. Application of Terrestrial Laser Scanning (TLS) in the Architecture, Engineering and Construction (AEC) Industry. Sensors 22, 265. https://doi.org/10.3390/s22010265

Xu, Z., Feng, Z., Babaeian Jelodar, M., Guo, B.H.W., 2024. Augmented reality applications in construction productivity: A systematic literature review. Adv. Eng. Inform. 62, 102798. https://doi.org/10.1016/j.aei.2024.102798