

- Aboufotouh, A. K., Tolba, O., & Ezzeldin, S. (2022). The impact of workspace location and indoor environmental quality on employees' satisfaction within office buildings: A case study in Cairo. *Indoor and Built Environment*, 31(8), 2094–2114. <https://doi.org/10.1177/1420326X20944561>
- Aliu, I., & Adebayo, A. (2010). Evaluating The Influence Of Housing Quality On Urban Residents' wellbeing: The Case Of Lagos Nigeria. *International Journal of Academic Research*, 2(6).
- Allan, A. C., Garcia-Hansen, V., Isoardi, G., & Smith, S. S. (2019). Subjective Assessments of Lighting Quality: A Measurement Review. *LEUKOS*, 15(2–3), 115–126. <https://doi.org/10.1080/15502724.2018.1531017>
- Arikunto, S. (2002). *Prosedur suatu penelitian suatu pendekatan praktik*. Jakarta: Rineka Cipta.
- Arikunto, S. (2010). *Metode peneltian*. Jakarta: Rineka Cipta, 173.
- Arinda, N. H. (2021). Analisis Kepuasan Penghuni terhadap Atribut Fisik dan Pelayanan di Rumah Susun Tidar Kota Magelang. *Jurnal Paradigma Multidispliner*, 2(2). <https://doi.org/10.1210/.v2i2.79>
- Aryani, K. Y. A. (2011). *Akuntansi Manajemen*. Yogyakarta: UPP STIM YKPN.
- Ayodele, M., & Ngwoke, D. (2021). Evaluation Of Occupants' Satisfaction With On-Campus Private Hostel In A Nigerian University. 12(1), 10.
- Breidert, C., Hahsler, M., & Reutterer, T. (2006). A Review Of Methods For Measuring Willingness-To-Pay. *Innovative Marketing*, 2(4).
- Ceylan, H., Koseb, B., & Aydin, M. (2014). Value based Pricing: A Research on Service Sector Using Van Westendorp Price Sensitivity Scale. *Procedia - Social and Behavioral Sciences*, 148, 1–6. <https://doi.org/10.1016/j.sbspro.2014.07.013>
- Chiara, J. D., & Koppelman, L. (1975). *Urban Planning and Design Criteria* (2 ed.). Van Nostrand Reinhold.

- Cynthia Hou, H., Zhang, D., & Lai, J. H. K. (2023). Qualitative and quantitative investigation into the indoor built environment of modular student housing: A multiple-room case study. *Energy and Buildings*, 280, 112734. <https://doi.org/10.1016/j.enbuild.2022.112734>
- Dong, Z., Zhao, K., Ren, M., Ge, J., & Chan, I. Y. S. (2022). The impact of space design on occupants' satisfaction with indoor environment in university dormitories. *Building and Environment*, 218, 109143. <https://doi.org/10.1016/j.buildenv.2022.109143>
- Eleftheriadis, G., & Hamdy, M. (2017). Impact of building envelope and mechanical component degradation on the whole building performance: A review paper. *Energy Procedia*, 132, 321–326. <https://doi.org/10.1016/j.egypro.2017.09.739>
- Ernawati, R. (2019). Faktor yang Mempengaruhi Kepuasan Tinggal pada Rusunawa di Kota Surabaya. *EMARA: Indonesian Journal of Architecture*, 5, 24–31. <https://doi.org/10.29080/eija.v5i1.527>
- Eteng, S., Mfon, I. E., & Okoi, B. J. (2022). Housing Satisfaction among Students in Tertiary Institutions in Calabar, Cross River State, Nigeria. *Journal of Environmental Science and Economics*, 1(3), 1–7. <https://doi.org/10.56556/jescae.v1i3.89>
- Farrell, R. H. (2006). *Techniques of multivariate calculation* (Vol. 520). Springer.
- Gitosudarmo, I. (2008). *Manajemen Pemasaran* (edisi ke-2). Yogyakarta: BPFE Yogyakarta.
- Graham, P. A., Hurtado, S. S., & Gonyea, R. M. (2018). The Benefits of Living on Campus: Do Residence Halls Provide Distinctive Environments of Engagement? *Journal of Student Affairs Research and Practice*, 55(3), 255–269. <https://doi.org/10.1080/19496591.2018.1474752>
- Greene, M., & Ortúzar, J. D. D. (2002). Willingness to Pay for Social Housing Attributes: A Case Study from Chile. *International Planning Studies* 7.1, Volume 7(1), 55–87. <https://doi.org/doi.org/10.1080/13563470220112607>
- Hamida, M. B., & Hassanain, M. A. (2020). Post Occupancy Evaluation of Adaptively Reused Buildings: Case Study of an Office Building in Saudi Arabia. *Architecture, Civil Engineering, Environment*, 13(1), 29–40. <https://doi.org/10.21307/acee-2020-003>
- Handoko, T. H., & Swasta, B. (2008). *Perilaku Konsumen*. Yogyakarta: Bpfe, 8.

Ismiati, A. T., & Wijayanti, Y. (2021). Kondisi Kamar Hunian, Sanitasi Dasar, dan Keluhan Kesehatan di Asrama Mahasiswa. *Indonesian Journal of Public Health and Nutrition*, 1(1), Art. 1. <https://doi.org/10.15294/ijphn.v1i1.45384>

Johnson, R. A., & Wichern, D. W. (2002). *Applied multivariate statistical analysis*.

Kartamihardja, A. I., Karya, N. S., Nurhariyadi, D., & Auman, N. B. (2016). Analisis Perseptual Penghuni Terhadap Kualitas Hunian Asrama Mahasiswa ITB. *Prosiding Temu Ilmiah IPLBI 2016*.

Katabaro, J. M., & Yan, Y. (2019). Effects of Lighting Quality on Working Efficiency of Workers in Office Building in Tanzania. *Journal of Environmental and Public Health*, 2019, 1–12. <https://doi.org/10.1155/2019/3476490>

Kim, Y. K., Abdou, Y., Abdou, A., & Altan, H. (2022). Indoor Environmental Quality Assessment and Occupant Satisfaction: A Post-Occupancy Evaluation of a UAE University Office Building. *Buildings*, 12(7), 986. <https://doi.org/10.3390/buildings12070986>

Knoop, M., Stefani, O., Bueno, B., Matusiak, B., Hobday, R., Wirz-Justice, A., Martiny, K., Kantermann, T., Aarts, M., Zemmouri, N., Appelt, S., & Norton, B. (2020). Daylight: What makes the difference? *Lighting Research & Technology*, 52(3), 423–442. <https://doi.org/10.1177/1477153519869758>

Kotler, P. (2002). *Manajemen Pemasaran edisi milenium*. Jakarta: Prenhallindo.

Kotler, P., & Armstrong, G. (1994). *Marketing management, analysis, planning, implementation, and control*, Philip Kotler. London: Prentice-Hall International.

Kotler, P., Burton, S., Deans, K., Brown, L., & Armstrong, G. (2015). *Marketing*. Pearson Higher Education AU.

Kotler, P., & Keller, K. L. (2009). *Menejemen Pemasaran*. Penerbit: Erlangga. Jakarta.

Kurniawan, N. W. (2016). Pricing Strategy For Bottled Water In Pt Syahid Global International Using Customer Value Map And Price Sensitivity. *E-Proceeding OF Engineering 2016*, 03, 2339.

- Kustiani, K., & Munawaroh, A. S. (2020). Studi Evaluasi Pasca Huni Ditinjau dari Aspek Fungsional pada Bangunan Asrama Mahasiswa Putra (TB2) Institut Teknologi Sumatera (ITERA). *Jurnal Arsitektur*, 10(1), 07. <https://doi.org/10.36448/jaubl.v10i1.1335>
- Kwon, M., Remøy, H., & van den Bogaard, M. (2019). Influential design factors on occupant satisfaction with indoor environment in workplaces. *Building and Environment*, 157, 356–365. <https://doi.org/10.1016/j.buildenv.2019.05.002>
- Levkovich, O., Buitelaar, E., & Rouwendal, J. (2018). Age effects in the price of commercial real estate.
- Lolli, F., Marinello, S., Coruzzolo, A. M., & Butturi, M. A. (2022). Post-Occupancy Evaluation's (POE) Applications for Improving Indoor Environment Quality (IEQ). *Toxics*, 10(10). <https://doi.org/10.3390/toxics10100626>
- M. Lubis, R. Fauzi, A. R. Lubis, & R. Fauzi. (2018). A Case Study of Universities Dormitory Residence Management System (DRMS) in Indonesia. 2018 6th International Conference on Cyber and IT Service Management (CITSM), 1–6. <https://doi.org/10.1109/CITSM.2018.8674313>
- Mariano-Hernández, D., Hernández-Callejo, L., Zorita-Lamadrid, A., Duque-Pérez, O., & Santos García, F. (2021). A review of strategies for building energy management system: Model predictive control, demand side management, optimization, and fault detect & diagnosis. *Journal of Building Engineering*, 33, 101692. <https://doi.org/10.1016/j.job.2020.101692>
- Mohd Mustafa Kamal, N. A., Mohd, T., & Baharun, N. (2020). Examining Off-campus Students' Housing Preferences between Public and Private University Students (N. Kaur & M. Ahmad, Penerj.). 133–144.
- Mulyadi, M. (2018). Asrama Mahasiswa Universitas Tanjungpura. *Jmars: Jurnal Mosaik Arsitektur*, 6(1), Art. 1. <https://doi.org/10.26418/Jmars.V6i1.24949>
- Mulyani, S. R., Paramarta, V., Yuliaty, F., Fitriana, F., Zulfikar, T., Kosasih Kosasih, Y. Ony Djogo, Zainal Aripin, & Erika Nurmartiani. (2022). *Buku Multivariat Terapan* (Iskandar Ahmaddien, Ed.). Cv Widina Media Utama.

- Nkimi, S., Nuyts, E., Kassenga, G., Swai, O., & Verbeeck, G. (2022). Evaluation of occupants' satisfaction in green and non-green office buildings in Dar es Salaam-Tanzania. *Building and Environment*, 219, 109169. <https://doi.org/10.1016/j.buildenv.2022.109169>
- Nurdini, A., & Harun, I. B. (2012). Phenomena of Spatial Bounded Choice: Students Behaviour Related to Rental Housing in Bandung as Case Study. *Procedia - Social and Behavioral Sciences*, 36, 187–195. <https://doi.org/10.1016/j.sbspro.2012.03.021>
- Oladapo, A. A. (2006). A STUDY OF TENANTS' MAINTENANCE AWARENESS, RESPONSIBILITY AND SATISFACTION IN INSTITUTIONAL HOUSING IN NIGERIA. *International Journal of Strategic Property Management*, 10(4), 217–231. <https://doi.org/10.3846/1648715X.2006.9637554>
- Osei-Poku, G., Braimah, A., & Clegg, R. (2020). COMPARATIVE ASSESSMENT OF USER-SATISFACTION WITH ON-CAMPUS RESIDENTIAL ACCOMMODATION AT TAKORADI TECHNICAL UNIVERSITY, GHANA. 11, 2020.
- Pangarsa, N. A., & Subiyantoro, H. (2022). Kajian Optimasi Orientasi Bangunan Untuk Penurunan Termal Bangunan (Studi Kasus: The Tiing Hotel Resort di Bali). *Arsir*, 5(2), 101. <https://doi.org/10.32502/arsir.v5i2.3678>
- Paris, D. E., & Kangari, R. (2005). Multifamily Affordable Housing: Residential Satisfaction. *Journal of Performance of Constructed Facilities*, 19(2), 138–145. [https://doi.org/10.1061/\(ASCE\)0887-3828\(2005\)19:2\(138\)](https://doi.org/10.1061/(ASCE)0887-3828(2005)19:2(138))
- Park, J., Loftness, V., & Wang, T.-H. (2022). Examining In Situ Acoustic Conditions for Enhanced Occupant Satisfaction in Contemporary Offices. *Buildings*, 12(9), 1305. <https://doi.org/10.3390/buildings12091305>
- Parker, C., & Mathews, B. P. (2001). Customer satisfaction: Contrasting academic and consumers' interpretations. *Marketing Intelligence & Planning*, 19(1), 38–44. <https://doi.org/10.1108/02634500110363790>
- Pastore, L., & Andersen, M. (2019). Building energy certification versus user satisfaction with the indoor environment: Findings from a multi-site post-occupancy evaluation (POE) in Switzerland. *Building and Environment*, 150, 60–74. <https://doi.org/10.1016/j.buildenv.2019.01.001>

Perez, H., Tah, J. H. M., & Mosavi, A. (2019). Deep Learning for Detecting Building Defects

Using Convolutional Neural Networks. *Sensors*, 19(16), 3556.

<https://doi.org/10.3390/s19163556>

Prihandrijanti, M., Putri, G. W., & Juliana, A. (2023). Studi Karakteristik Ruang Barak Untuk Meningkatkan Indoor Environmental Quality Dan Kualitas Hidup Pegawai Perusahaan Tambang. 6(2).

Purwantoro, A. A. T., Kwanda, T., & Njo, A. (2021). Kepuasan Penghuni Apartemen Di Surabaya Terhadap Respon Manajemen Dalam Menangani Kerusakan Bangunan. *Dimensi Utama Teknik Sipil*, 8(1), 17–34. <https://doi.org/10.9744/duts.8.1.17-34>

Rahman, M. A. A., Awang, M., Syafiq Syazwan Mustafa, M., Yusop, F., Aini Mohd Sari, K., Musa, M. K., Arif Rosli, M., Ahmad, F., & Hamidon, N. (2019). Evaluation and measurement of indoor air quality in the preschool building. *IOP Conference Series: Earth and Environmental Science*, 373(1), 012018. <https://doi.org/10.1088/1755-1315/373/1/012018>

Santoso, S. (2010). Statistik multivariat. Elex Media Komputindo.

Setiadi, H. A. (2015). Analisis faktor berpengaruh terhadap kepuasan penghuni rumah susun sewa studi kasus rumah susun sewa Kemayoran. *Jurnal Permukiman*, 10(1), 19–36.

Shinta, M. R., Kurniawan, A., & Andayanti, W. (2019). Pengaruh Kualitas Pelayanan terhadap Kepuasan Konsumen pada Apartemen Kalibata City Jakarta Selatan. *Managerial-Jurnal penelitian ilmu manajemen*, 2(1), 10–10.

Simbolon, M. (2012). Perilaku Bullying pada Mahasiswa Berasrama. *Jurnal Psikologi*, 39(2), Art. 2.

Siregar, A. H. (2020). Aspek-Aspek Penjaminan Kinerja Teknis Komponen Arsitektur Pada Bangunan Rumah Susun Sederhana Sewa Di DKI Jakarta. *Jurnal Permukiman*, 15(1), 19. <https://doi.org/10.31815/jp.2020.15.19-33>

Sugiyono, P. (2017). Metode penelitian bisnis: Pendekatan kuantitatif, kualitatif, kombinasi, dan R&D. Penerbit CV. Alfabeta: Bandung, 225, 87.

Sugiyono, S. (2002). *Metodologi penelitian administrasi*. Cetakan Kesembilan, Alfa Beta, Bandung.

Suryadi, A. B. (2005). *Evaluasi pasca huni Instalasi Rawat Darurat Badan Rumah Sakit Umum Tabanan*.

Tabachnick, B. G., Fidell, L. S., & Ullman, J. B. (2013). *Using multivariate statistics* (Vol. 6). pearson Boston, MA.

Tang, H., Ding, Y., & Singer, B. (2020). Interactions and comprehensive effect of indoor environmental quality factors on occupant satisfaction. *Building and Environment*, 167, 106462. <https://doi.org/10.1016/j.buildenv.2019.106462>

Tekce, I., Ergen, E., & Artan, D. (2020). Structural Equation Model of Occupant Satisfaction for Evaluating the Performance of Office Buildings. *Arabian Journal for Science and Engineering*, 45(10), 8759–8784. <https://doi.org/10.1007/s13369-020-04804-z>

Van Westendorp, P. H. (1976). NSS Price Sensitivity Meter (PSM)—A new approach to study consumer perception of prices. *Proceedings of the 29th ESOMAR Congress*, 139167.

Waddicor, D. A., Fuentes, E., Sisó, L., Salom, J., Favre, B., Jiménez, C., & Azar, M. (2016). Climate change and building ageing impact on building energy performance and mitigation measures application: A case study in Turin, northern Italy. *Building and Environment*, 102, 13–25. <https://doi.org/10.1016/j.buildenv.2016.03.003>

Walpole, R. E., Myers, R. H., Myers, S. L., & Ye, K. (2017). *Probability & statistics for engineers & scientists: MyStatLab update* (Ninth edition). Pearson.

Wang, J., & Lee, C. L. (2022). The value of air quality in housing markets: A comparative study of housing sale and rental markets in China. *Energy Policy*, 160, 112601. <https://doi.org/10.1016/j.enpol.2021.112601>

Whitehead, J. C. (2006). Improving Willingness to Pay Estimates for Quality Improvements through Joint Estimation with Quality Perceptions. *Southern Economic Journal*, 73(1), 100. <https://doi.org/10.2307/20111876>



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**ANALISIS PENGARUH UMUR BANGUNAN TERHADAP KEPUASAN PENGHUNI ASRAMA
MAHASISWA (Studi Kasus: Tiga
Asrama Mahasiswa UGM)**

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Xu, X., Sunindijo, Y., & Mussi, E. (2020). Comparing user satisfaction of older and newer on-campus accommodation buildings in Australia. *Facilities*, 39, 38–410.
<https://doi.org/10.1108/F-11-2018-0133>

Zalejska-Jonsson, A. (2019). Perceived Acoustic Quality and Effect on Occupants' Satisfaction in Green and Conventional Residential Buildings. *Buildings*, 9(1), 24.
<https://doi.org/10.3390/buildings9010024>