



## DAFTAR PUSTAKA

- [1] “Museum Definition- ICOM,” *The International Council of Museums*, 2010. [Online]. Available: <http://icom.museum/the-vision/museum-definition>. [Accessed: 04-Jun-2015].
- [2] S. A. PANGERAPAN, “PENGGUNA INTERNET INDONESIA TAHUN 2014, SEBANYAK 88,1 JUTA (34,9%),” 2015. [Online]. Available: <http://www.apjii.or.id/v2/read/content/info-terkini/301/pengguna-internet-indonesia-tahun-2014-sebanyak-88.html>. [Accessed: 04-Jun-2015].
- [3] P. Prekop and M. Burnett, “Activities, context and ubiquitous computing,” *Comput. Commun.*, vol. 26, no. 11, pp. 1168–1176, 2003.
- [4] B. Schilit, N. Adams, and R. Want, “Context-aware computing applications,” 1994, pp. 85–90.
- [5] E. Kim and J. Choi, “A Context Management System for Supporting Context-Aware Applications,” 2008, vol. 2, pp. 577–582.
- [6] A. M. Ladd, K. E. Bekris, A. P. Rudys, D. S. Wallach, and L. E. Kavraki, “On the feasibility of using wireless ethernet for indoor localization,” *IEEE Trans. Robot. Autom.*, vol. 20, no. 3, pp. 555–559, 2004.
- [7] J. Xiao, Z. Liu, Y. Yang, D. Liu, and X. Han, “Comparison and analysis of indoor wireless positioning techniques,” 2011, pp. 293–296.
- [8] Y. Gu, A. Lo, and I. Niemegeers, “A survey of indoor positioning systems for wireless personal networks,” *Commun. Surv. Tutorials, IEEE*, vol. 11, no. 1, pp. 13–32, 2009.
- [9] H. Liu, H. Darabi, P. Banerjee, and J. Liu, “Survey of wireless indoor positioning techniques and systems,” *Syst. Man, Cybern. Part C Appl. Rev. IEEE Trans.*, vol. 37, no. 6, pp. 1067–1080, 2007.
- [10] P. Bahl and V. Padmanabhan, “RADAR: An in-building RF-based user location and tracking system,” *INFOCOM 2000. Ninet. ...*, 2000.
- [11] M. A. Youssef, A. Agrawala, and A. Udaya Shankar, “WLAN location determination via clustering and probability distributions,” 2003, pp. 143–150.
- [12] T. King, S. Kopf, T. Haenselmann, C. Lubberger, and W. Effelsberg, “Compass: A probabilistic indoor positioning system based on 802.11 and digital compasses,” 2006, pp. 34–40.
- [13] J. Yu and J. Liu, “A KNN Indoor Positioning Algorithm That Is Weighted by the Membership of Fuzzy Set,” 2013, pp. 1899–1903.
- [14] B. Li, J. Salter, A. G. A. Dempster, C. Rizos, Beomju Shin, Jung Ho Lee,



- Taikjin Lee, and Hyung Seok Kim, "Indoor Positioning Techniques Based on Wireless LAN," *LAN, First IEEE Int. ...*, vol. 2, pp. 574–577, 2006.
- [15] B. Luzum, "Navigation Principles of Positioning and Guidance," *Eos, Trans. Am. Geophys. Union*, 2004.
- [16] B. Hofmann-Wellenhof, K. Legat, and M. Wieser, *Navigation: principles of positioning and guidance*. 2011.
- [17] N. Samama, *Global positioning: Technologies and performance*. 2008.
- [18] K. Kaemarungsi, "Efficient design of indoor positioning systems based on location fingerprinting," in *Wireless Networks, Communications and ...*, 2005, vol. 1, pp. 181–186.
- [19] K. Pahlavan, X. Li, and J. Mäkelä, "Indoor geolocation science and technology," *Commun. Mag. ...*, 2002.
- [20] A.-M. Roxin, J. Gaber, M. Wack, and A. N. S. Moh, "Survey of wireless geolocation techniques," 2007.
- [21] B.-F. Wu, C.-L. Jen, and K.-C. Chang, "Neural fuzzy based indoor localization by Kalman filtering with propagation channel modeling," 2007, pp. 812–817.
- [22] J. Zheng, C. Wu, H. Chu, and P. Ji, "Localization Algorithm Based on RSSI and Distance Geometry Constrains for Wireless Sensor Network," 2010, pp. 2836–2839.
- [23] S. Hossain, S. H. Ariffin, N. Faisal, C. K. Neng, N. A. Hassan, and L. A. Latiff, "Accuracy Enhancement of Fingerprint Indoor Positioning System," 2012, pp. 600–605.
- [24] L. M. Ni, Y. Liu, Y. C. Lau, and A. P. Patil, "LANDMARC: Indoor Location Sensing Using Active RFID," *Wirel. Networks*, vol. 10, no. 6, pp. 701–710, Nov. 2004.
- [25] K. Kaemarungsi, "Design of indoor positioning systems based on location fingerprinting," 2005, vol. 1, pp. 181–186.
- [26] P. Prasithsangaree, P. Krishnamurthy, and P. Chrysanthis, "On indoor position location with wireless LANs," 2002, vol. 2, pp. 720–724.
- [27] W. ur Rehman, E. de Lara, and S. Saroiu, "CILoS: A CDMA Indoor Localization System," 2008.
- [28] V. Otsason and A. Varshavsky, "Accurate GSM indoor localization," *UbiComp 2005 ...*, 2005.
- [29] A. Varshavsky, E. de Lara, and J. Hightower, "GSM indoor localization," *individual.utoronto.ca*.
- [30] P. Bahl and V. Padmanabhan, "User location and tracking in an in-building



radio network,” 1999.

- [31] P. Bahl, V. Padmanabhan, and A. Balachandran, “Enhancements to the RADAR user location and tracking system,” 2000.
- [32] A. Kotanen, M. Hannikainen, H. Leppakoski, and T. D. Hamalainen, “Experiments on local positioning with Bluetooth,” 2003, pp. 297–303.
- [33] X. An, J. Wang, R. V. Prasad, and I. Niemegeers, “OPT: online person tracking system for context-awareness in wireless personal network,” 2006, pp. 47–54.
- [34] A. Abusara, M. S. Hassan, and M. H. Ismail, “RSS fingerprints dimensionality reduction in WLAN-based indoor positioning,” *Wirel. Telecommun. Symp.*, vol. 2016-May, 2016.
- [35] Y. Wang, X. Jia, H. K. Lee, and G. Y. Li, “An indoors wireless positioning system based on wireless local area network infrastructure,” 2003.
- [36] H. Koyuncu and S. H. Yang, “A survey of indoor positioning and object locating systems,” *IJCSNS Int. J. Comput. Sci. Netw. Secur.*, vol. 10, no. 5, pp. 121–128, 2010.
- [37] J. Hightower, G. Borriello, and H. Jeffrey, “Location systems for ubiquitous computing,” *Computer (Long. Beach. Calif.)*, vol. 34, no. 8, pp. 57–66, Aug. 2001.
- [38] M. A. Al-Ammar, S. Alhadhrami, A. Al-Salman, A. Alarifi, H. S. Al-Khalifa, A. Alnafessah, and M. Alsaleh, “Comparative Survey of Indoor Positioning Technologies, Techniques, and Algorithms,” in *2014 International Conference on Cyberworlds*, 2014, pp. 245–252.
- [39] C. Esposito and M. Ficco, “Deployment of RSS-Based Indoor Positioning Systems,” *Int. J. Wirel. Inf. Networks*, vol. 18, no. 4, pp. 224–242, Dec. 2011.
- [40] J. Hightower, “The location stack: A layered model for location in ubiquitous computing,” *Mobile Computing Systems ...*, 2002. [Online]. Available: <http://www.cs.cmu.edu/afs/cs/Web/People/jasonh/courses/ubicomp-sp2007/papers/13-hightower2002locstack.pdf>. [Accessed: 04-Jun-2015].
- [41] W. Najib, M. Klepal, and D. P. Widyawan, “A Software Development Model for Localization Systems,” 2009.
- [42] N. Bhatia, “Survey of nearest neighbor techniques,” *arXiv Prepr. arXiv1007.0085*, 2010.
- [43] V. Perlibakas, “Distance measures for PCA-based face recognition,” *Pattern Recognit. Lett.*, 2004.
- [44] J. C. Gower, “Euclidean distance geometry,” *Math. Sci.*, vol. 7, no. 1, pp. 1–14, 1982.



- [45] T. N. Phyu, "Survey of classification techniques in data mining," 2009, vol. 1, pp. 18–20.
- [46] I. Fodor, "A survey of dimension reduction techniques," 2002.
- [47] M. Revathi and T. Ramesh, "Network intrusion detection system using reduced dimensionality," *Indian J. Comput. Sci.*, 2011.
- [48] A. Shadvar, "Dimension Reduction by Mutual Information Discriminant Analysis," *arXiv Prepr. arXiv1206.2058*, 2012.
- [49] H. Miao, Z. Wang, J. Wang, L. Zhang, and L. Zhengfeng, "A novel access point selection strategy for indoor location with Wi-Fi," 2014, pp. 5260–5265.
- [50] P. Krishnamurthy, "Position location in mobile environments," *NSF Work. Context. Mob. Database ...*, 2002.
- [51] T.-N. Lin and P.-C. Lin, "Performance comparison of indoor positioning techniques based on location fingerprinting in wireless networks," 2005, vol. 2, pp. 1569–1574.
- [52] A. Bekkali, H. Sanson, and M. Matsumoto, "RFID Indoor Positioning Based on Probabilistic RFID Map and Kalman Filtering," 2007, pp. 21–21.
- [53] R. Battiti, N. T. Le, and A. Villani, "Location-aware computing: a neural network model for determining location in wireless LANs," 2002.
- [54] M. Borenovic, A. Neskovic, D. Budimir, and L. Zezelj, "Utilizing artificial neural networks for WLAN positioning," 2008, pp. 1–5.
- [55] Sektiadi, "Arsitektur Museum." [Online]. Available: <http://sektiadi.staff.ugm.ac.id/2014/06/arsitektur-museum/>. [Accessed: 05-Mar-2017].
- [56] "Sekilas - Museum Sonobudoyo Yogyakarta," *Museum Sonobudoyo*, 2013. [Online]. Available: <http://sonobudoyo.com/id/web/tentang/sekilas>. [Accessed: 19-May-2016].
- [57] L. Chou and C. Lee, "A tour guide system for mobile learning in museums," *Wirel. Mob. ...*, 2004.
- [58] S.-H. Fang and T.-N. Lin, "Accurate WLAN indoor localization based on RSS, fluctuations modeling," 2009, pp. 27–30.
- [59] B. Abdullah, O., Abdel-Qader, I. and Bazuin, "Fingerprint-Based Technique for Indoor Positioning System Via Machine Learning and Convex Optimization," 2016.



- [60] L. Ma, X. Ma, X. Liu, and Y. Xu, "WLAN indoor positioning algorithm based on sub-regions information gain theory," in *IEEE Wireless Communications and Networking Conference, WCNC*, 2013, pp. 4789–4794.