

BAB VI

PENUTUP

6.1 Kesimpulan

Berdasarkan hasil dari penelitian Penerapan Metode Sistem Rekomendasi Hibrida Pada Sistem Pemandu Lokasi Wisata Di Timor Leste, yang telah dilakukan penulis dapat mengambil kesimpulan bahwa :

1. Dengan Penerapan Apilkasi M-Guide Pemandu Wisata dapat membantu wisatawan dalam melakukan perencanaan destinasi khususnya di Timor-Leste.
2. Kombinasi metode collaborative filtering dan content based filtering dapat memberikan informasi rekomendasi bagi para wisatawan berdasarkan hasil rating dari pengguna wisata masa lampau.

6.2 Saran

Berdasarkan pembahasan dari penelitian ini ada beberapa saran yang dapat dilakukan dalam pengembangan selanjutnya ke arah yang lebih baik, yaitu :

1. Menambahkan beberapa parameter yang lebih fleksibel dalam melakukan konsultasi terhadap para wisatwan dengan metode Fuzzy.
2. Menggunakan material design dalam menampilkan semua fitur yang ada pada aplikasi M-Guide serta menggunakan sistem

multiplatform agar sistem dapat berjalan di semua *platform mobile*.

3. Mengabungkan semua hal yang berhubungan dengan obyek wisata, misalnya Hotel, Restoran dan lain sebagainya.



DAFTAR PUSTAKA

- Alshattnawi, S. (2013) 'Building Mobile Tourist Guide Applications using Different Development Mobile Platforms', *International Journal of Advanced Science and Technology*, 54, pp. 13–22.
- Chen, J. H., Chao, K. M. and Shah, N. (2013) 'Hybrid Recommendation System for Tourism', in *2013 IEEE 10th International Conference on e-Business Engineering*, pp. 156–161. doi: 10.1109/ICEBE.2013.24.
- Corrêa, C. (2013) 'Mobile marketing of the Brazilian Tourist Board : Case study of Brazil Mobile application 1 Introduction', 5.
- Fang, G.-S., Kamei, S. and Fujita, S. (2016) 'Automatic Generation of Temporal Feature Vectors with Application to Tourism Recommender Systems', in *2016 Fourth International Symposium on Computing and Networking (CANDAR)*, pp. 676–680. doi: 10.1109/CANDAR.2016.0121.
- Gavalas, D. and Kenteris, M. (2011) 'A web-based pervasive recommendation system for mobile tourist guides', *Personal and Ubiquitous Computing*, 15(7), pp. 759–770. doi: 10.1007/s00779-011-0389-x.
- Gavalas, D., Konstantopoulos, C., Mastakas, K. and Pantziou, G. (2014) 'Mobile recommender systems in tourism', *Journal of Network and Computer Applications*. Elsevier, 39(1), pp. 319–333. doi: 10.1016/j.jnca.2013.04.006.
- Gretzel, U., Sigala, M., Xiang, Z. and Koo, C. (2015) 'Smart tourism: foundations and developments', *Electronic Markets*, 25(3), pp. 179–188. doi: 10.1007/s12525-015-0196-8.
- Hua-li, P. and Zhi-Jun, Z. (2016) 'Research Article Research on the Application Ontology-

- Based Personalized Tourist Recommendation System', *Journal of Chemical and Pharmaceutical Research*, 8(4), pp. 547–553.
- Ismail, A., Kadir, S. A. S. A., Aziz, A., Mokshin, M. and Lokman, A. M. (2016) 'iTourism Travel Buddy Mobile Application', in *2016 10th International Conference on Next Generation Mobile Applications, Security and Technologies (NGMAST)*, pp. 82–87. doi: 10.1109/NGMAST.2016.22.
- Jia, Zhi Yang, Gao, Wei and Shi, Yi Jin (2016) 'An Agent Framework of Tourism Recommender System', *MATEC Web of Conferences*, 44, p. 1005. doi: 10.1051/matecconf/20164401005.
- Jia, Z., Yang, Y., Gao, W. and Chen, X. (2015) 'User-Based Collaborative Filtering for Tourist Attraction Recommendations', in *2015 IEEE International Conference on Computational Intelligence Communication Technology*, pp. 22–25. doi: 10.1109/CICT.2015.20.
- KIANI, S. M., MEHREGAN, M. and BANIARDALAN, M. (2012) 'DESIGNING AT OURISM RECOMMENDER SYSTEM BASED ON LOCATION , MOBILE DEVICE AND USER FEATURES IN MUSEUM', *International Journal of Managing Information Technology*, 4(2), pp. 13–21. doi: 10.5121/ijmit.2012.4202.
- Lin, C. Y. and Hung, M. T. (2014) 'A location-based personal task reminder for mobile users', *Personal and Ubiquitous Computing*, 18(2), pp. 303–314. doi: 10.1007/s00779-013-0646-2.
- Nilashi, M., bin Ibrahim, O. and Ithnin, N. (2014) 'Hybrid recommendation approaches for multi-criteria collaborative filtering', *Expert Systems with Applications*, 41(8), pp. 3879–3900. doi: <http://dx.doi.org/10.1016/j.eswa.2013.12.023>.
- Nilashi, M., bin Ibrahim, O., Ithnin, N. and Sarmin, N. H. (2015) 'A multi-criteria

- collaborative filtering recommender system for the tourism domain using Expectation Maximization (EM) and PCA-ANFIS', *Electronic Commerce Research and Applications*, 14(6), pp. 542–562. doi: <http://doi.org/10.1016/j.elerap.2015.08.004>.
- No, E. and Kim, J. K. (2015) 'Comparing the attributes of online tourism information sources', *Computers in Human Behavior*. Elsevier Ltd. doi: [10.1016/j.chb.2015.02.063](https://doi.org/10.1016/j.chb.2015.02.063).
- Noersasongko, E., Julfia, F. T., Syukur, A., Purwanto, Pramunendar, R. A. and Supriyanto, C. (2016) 'A Tourism Arrival Forecasting using Genetic Algorithm based Neural Network', *Indian Journal of Science and Technology*, 9(4). Available at: <http://www.indjst.org/index.php/indjst/article/view/78722>.
- Nugraha, N. B., Suyoto and Pranowo (2017) 'Mobile Application Development for Smart Tourist Guide', *Advanced Science Letters*, 23(3), pp. 1936–6612. doi: [doi:10.1166/asl.2017.8764](https://doi.org/10.1166/asl.2017.8764).
- Saito, N., Ogawa, T., Asamizu, S. and Haseyama, M. (2016) 'A tourism category classification method based on estimation of reliable decision', in *2016 IEEE 5th Global Conference on Consumer Electronics*, pp. 1–2. doi: [10.1109/GCCE.2016.7800331](https://doi.org/10.1109/GCCE.2016.7800331).
- Sasrawan, H. (2013) *Timor Leste (Artikel Lengkap)*. Available at: <http://hedisasrawan.blogspot.co.id/2013/03/timor-leste-artikel-lengkap.html> (Accessed: 7 July 2017).
- Soares, J. da C. L. (2017) 'M-Guide : Hybrid Recommender System Tourism in East Timor', *International Conference on Soft Computing, Intelligent System and Information Technology*.

Umanets, A., Ferreira, A. and Leite, N. (2013) 'GuideMe - A Tourist Guide with a Recommender System and Social Interaction', *Procedia Technology*. Elsevier B.V., 17, pp. 407–414. doi: 10.1016/j.protcy.2014.10.248.

Umanets, A., Ferreira, A. and Leite, N. (2014) 'GuideMe – A Tourist Guide with a Recommender System and Social Interaction', *Procedia Technology*, 17, pp. 407–414. doi: <http://dx.doi.org/10.1016/j.protcy.2014.10.248>.

Zhang, H.-R., Min, F., He, X. and Xu, Y.-Y. (2015) 'A Hybrid Recommender System Based on User-Recommender Interaction', *Mathematical Problems in Engineering*, 2015(1), p. 11 pages. doi: 10.1155/2015/145636.