

## **BAB VI**

### **PENUTUP**

#### **5.1 Kesimpulan**

Berdasarkan dari pembahasan-pembahasan pada bab-bab sebelumnya, maka dapat ditarik kesimpulan dari Tugas Akhir ini:

1. Aplikasi pemeliharaan *fixed asset* telah berhasil dikembangkan di PT. Angkasa Pura I (Persero) Bandara Internasional Ahmad Yani Semarang.
2. Pemindaian aset menggunakan QR Code dan NFC dapat dilakukan melalui aplikasi mobile.
3. Aplikasi dapat memberi pemberitahuan kepada pengguna ketika pengecekan selesai dilakukan.

#### **5.2 Saran**

Beberapa saran dan masukan yang dapat disampaikan penulis terhadap Pengembangan Aplikasi SMS di masa yang akan datang adalah:

1. Melakukan *penetration testing* untuk menguji keamanan sistem.
2. Melakukan peremajaan pada *server* yang dipakai untuk aplikasi ini.
3. Implementasi aplikasi ke cabang lain dari PT. Angkasa Pura I (Persero).

## Daftar Pustaka

### Referensi

- Arnaiz, A., Emmanouilidis, C., Iung, B. & Jantunen, E., 2011. Mobile Maintenance Management. *Journal of International Technology and Information Management*, 15(4), pp. 11-22.
- Bragg, S., 2017. *Accounting Tools*. [Online] Available at: <https://www.accountingtools.com> [Diakses 8 August 2017].
- Campos, J. et al., 2017. A big data analytical architecture for the Asset Management. *Procedia CIRP* 64, p. 369-374.
- Cata, T., Patel, P. S. & Sakaguchi, T., 2013. QR Code: A New Opportunity for Effective Mobile Marketing. *Journal of Mobile Technologies, Knowledge and Society*, Volume 2013, pp. 1-7.
- Galarza, S. & Kovach, K., 2015. Inventory Management Software. *Open Portal to University Scholarship*, Volume I, pp. 94-103.
- Gelogo, Y. E. & Kim, H.-K., 2014. Development of Mobile Enterprise Inventory Management System Application with CBD. *International Journal of Software Engineering and Its Applications*, 8(1), pp. 385-396.
- Geraerds, W. M. J., 1985. The cost of downtime for maintenance preliminary considerations. *Maintenance Management International*, Volume I, pp. 13-21.
- Jardine, A. K. S. & C., T. A. H., 2013. *Maintenance, Replacement, and Reliability Theory and Applications*. 2nd penyunt. Boca Raton: CRC Press.
- Mahajan, J. B., Kakde, M. B. & Rishishwar, A., 2015. Mall Shopping System Using NFC. *International Journal of Scientific and Research Publications*, 5(11), pp. 295-303.
- Ma, L., Gu, L. & Wang, J., 2014. Research and Development of Mobile Application for Android Platform. *International Journal of Multimedia and Ubiquitous Engineering*, 9(4), pp. 187-198.
- Munir, M. W., Omair, S. M. & Haque, M. Z. U., 2015. An Android based Application for Determine a Specialized

- Hospital Nearest to Patient's Location. *International Journal of Computer Applications*, 118(9), pp. 43-46.
- Nakajima, S., 1988. *Introduction to Total Productive Maintenance (TPM)*. Portland: Productivity Press.
- Opeyemi A., A., Boboye, F. & Blessing O., A., 2013. Design of a Computerized Inventory Management System for Supermarkets. *International Journal of Science and Research (IJSR)*, II(9), pp. 340-344.
- Oracle Corporation, 2016. *Java*. [Online] Available at: [https://www.java.com/en/download/faq/whatis\\_java.xml](https://www.java.com/en/download/faq/whatis_java.xml) [Diakses 12 Februari 2017].
- PT Angkasa Pura I Semarang, 2017. *ppsrg*. [Online] Available at: <https://ppsrg.ap1.co.id/index.php/2017-06-12-04-16-26/tujuan-dan-latar-belakang-pengembangan> [Diakses 10 10 2017].
- Singhal, M. & Shukla, A., 2013. Implementation of Location based Services in Android using GPS and Web Services. *IJCSI International Journal of Computer Science Issues*, 9(1), pp. 237-242.
- Singh, A., Sharma, S. & Singh, S., 2016. Android Application Development using Android Studio and PHP Framework. *International Journal of Computer Applications*, I(1), pp. 5-8.
- Sinsuw, A. A. E., Sompie, S. R. U. A., Lumenta, A. S. M. & Rompas, B. R., 2013. Aplikasi Location-based Service Pencarian Tempat di Kota Manado Berbasis Android. *E-journal Teknik Elektro dan Komputer*, 1(2), pp. 1-11.
- Yinyeh, M. O. & Alhassan, S., 2013. Inventory Management System Software for Public Universities in Ghana (IMSSPUG). *International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)*, 2(8), pp. 2461-2464.