

DAFTAR PUSTAKA

- [1] Google Firebase, "*Firestore Authentication Documentation*," 2024. [Online]. Available: <https://firebase.google.com/docs/auth>
- [2] S. Fauziah et al., "Sistem Informasi Berbasis Web untuk Koperasi Sawit," *J. Teknol. Inf. dan Komput.*, vol. 12, no. 1, pp. 45–56, 2024.
- [3] N. Taqiyyah, "Pengembangan Aplikasi *Mobile* untuk Pencatatan Hasil Panen," *J. Rekayasa Sist. Inf.*, vol. 10, no. 3, pp. 30–38, 2022.
- [4] R. Erlina et al., "Sistem Pemantauan Panen PTPN IV Berangir," *J. Sist. Inf.*, vol. 9, no. 2, pp. 22–28, 2024.
- [5] H. Daulay et al., "Perancangan Sistem Monitoring Panen PTPN III," *J. Teknol. Perkebunan*, vol. 11, no. 4, pp. 12–20, 2023.
- [6] F. Haldian et al., "Aplikasi Monitoring *Flutter* untuk Pelaporan TBS," *J. Mobile Comput.*, vol. 7, no. 1, pp. 10–19, 2023.
- [7] P. Hu and A. Hocky, "Web-based Reporting *System* for Palm Oil Plantation," in *Proc. AgroTech Conf.*, 2024, pp. 55–62.
- [8] A. Singh and V. Sharma, "A Comparative Study of *Firestore Authentication* and OAuth2 in *Mobile Applications*," *Int. J. Secure Comput.*, vol. 15, no. 2, pp. 88–95, 2023.
- [8] K. P. Putra, W. A. Gazali, dan M. R. Edy, "Pengembangan Aplikasi Alat Bantu Tani Berbasis Web Menggunakan Metode SMS Gateway," vol. 6, no. 2, 2023.
- [9] P. R. Setiawan, R. A. Ramadhan, dan A. Labellapansa, "Pelatihan Pemrograman Flutter," vol. 03, no. 01, 2022.

- [10] Haldian, O. Arifin, dan E. W. Kenali, “Aplikasi Monitoring Laporan Data Hasil Pengolahan TBS Kelapa Sawit Berbasis Mobile pada PT. Perkebunan Nusantara VII,” vol. 5, no. 2, 2023.
- [11] Fauziah, F. Yuda, R. Puspita, dan C. Mutia, “Analisis dan Perancangan Sistem Informasi Produksi Buah Kelapa Sawit Berbasis Web pada Koperasi Mekar Jaya,” vol. 10, no. 2, 2024.
- [12] P. Hu dan A. Hocky, “Rancang Bangun Sistem Pelaporan Hasil Kerja Perkebunan Kelapa Sawit Berbasis Website pada PT. Buditani Kembangjaya,” vol. 6, no. 1, 2024.
- [13] Haldian, O. Arifin, dan E. W. Kenali, “Aplikasi Monitoring Laporan Data Hasil Pengolahan TBS Kelapa Sawit Berbasis Mobile pada PT. Perkebunan Nusantara VII,” vol. 5, no. 2, 2023.
- [14] R. M. Rafi dan N. Santoso, “Pengembangan Aplikasi Pendukung Smart City Pertanian berbasis Mobile (Studi Kasus: Pemerintah Kota Batu),” vol. 7, no. 5, 2023.
- [15] E. W. Nasution dan T. Ningsih, “Optimalisasi Manajemen Rantai Pasok dalam Agribisnis: Studi Kasus Produksi Kelapa Sawit di Negara Berkembang,” vol. 3, no. 1, 2025.
- [16] B. A. Wijaya, J. Putra, N. P. Dharshinni, B. S. P. Girsang, dan I. Fawwaz, “Pemrograman Mobile dengan Flutter,” 2023.
- [17] P. S. Rosiana, A. Voutama, dan A. A. Ridha, “Perancangan UI/UX Sistem Informasi Pembelian Hasil Tani Berbasis Mobile dengan Metode Design Thinking,” vol. 11, no. 3, 2023.
- [18] R. Setiawan dan A. D. Lestari, "Pengembangan aplikasi *mobile* untuk sistem informasi pertanian," J. Teknol. dan Sistem Komput., vol. 8, no. 2, hlm. 123–130, 2020.

- [19] W. Stallings, *Cryptography and Network Security: Principles and Practice*, 7th ed. Pearson Education, 2017.
- [20] R. Arora dan R. Bhatia, "*Security in mobile applications: A review*," *Int. J. Comput. Appl.*, vol. 179, no. 25, hlm. 1–5, 2018.
- [21] Google Developers, "*Firebase Authentication Documentation*," 2023. [Online]. Tersedia: <https://firebase.google.com/docs/auth>. [Diakses: 08-Jun-2025].
- [22] H. T. Nguyen dan V. D. Le, "*Role-based access control using Firebase Authentication*," *Int. J. Comput. Sci. Mobile Comput.*, vol. 10, no. 4, hlm. 45–52, 2021.
- [23] R. Sandhu et al., "*Role-Based Access Control Models*," *IEEE Computer*, vol. 29, no. 2, hlm. 38–47, 1996.
- [24] H. M. Abdul Aziz, *Apa Itu Firebase: Manfaatkan Alat dan Infrastruktur dari Google untuk Developer*. 1st ed. Muhaaz.com, 2017. Accessed: Jul. 24, 2025. [Online]. Available: <https://www.muhaaz.com/2017/02/apa-itu-firebase-manfaatkan-alat-dan-infrakstuktur-dari-google-untuk-developer-kelebihan-kekurangan/>
- [25] T. Sudaryanto dan W. Wibowo, "Teknologi digital untuk pertanian modern," *Forum Penelit. Agro Ekonomi*, vol. 38, no. 1, hlm. 1–14, 2020.
- [26] R. H. Ginting dan H. Siregar, "Penerapan aplikasi digital dalam pencatatan hasil panen kelapa sawit," *J. Teknol. Pertan. Terapan*, vol. 5, no. 2, hlm. 34–41, 2021.
- [27] A. Pratama dan D. Kurniawan, "Metodologi *Agile* dalam Pengembangan Aplikasi *Mobile*," *J. Teknol. Inform. dan Rekayasa Perangkat Lunak*, vol. 6, no. 1, hlm. 22–30, 2022.
- [28] Raza, A., Hameed, S., & Macintyre, T., "*Global Positioning System – Working and its Applications*," dalam *Innovations and Advanced*

Techniques in Systems, Computing Sciences and Software Engineering, Ed. K. Elleithy, Springer, Dordrecht, 2008, hlm. 448–453.

- [29] Malo, C., et al., "*OpenStreetMap as a Data Source for Territorial Innovation*", *ISPRS International Journal of Geo-Information*, vol. 14, no. 3, 2025.
- [30] Alshamaa, Z. M., and Saleem, N. N., "Black Box Software Testing Techniques: a Literature Review," *Passer Journal of Basic and Applied Sciences*, vol. 7, no. 2, pp. 1001–1011, 2025.