

# **PENERAPAN METODE SCRUM PADA PENGELOLAAN PRASARANA DAN PROGRAM PEMBANGUNAN DESA TANJUNG DATUK BERBASIS WEB**

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## **ABSTRAK**

Berdasarkan hasil pengujian terhadap seluruh bagian sistem Desa Tanjung Datuk, dapat disimpulkan bahwa sistem telah berjalan sesuai fungsinya. Fitur login mampu melakukan autentikasi dan membedakan hak akses admin desa dan masyarakat. Pengelolaan data prasarana serta program pembangunan dapat menambah, mengubah, dan menghapus data dengan validasi yang sesuai. Admin dapat memverifikasi peminjaman dan mengelola pengaduan, sedangkan masyarakat dapat mengakses informasi, mengajukan peminjaman, mengirim pengaduan, serta melihat status dan riwayat secara lengkap. Fitur cetak laporan juga dapat menampilkan dan mencetak data sesuai pilihan yang ditentukan. Hasil pengujian kemudian dipresentasikan kepada Product Owner dan dinyatakan telah sesuai dengan kebutuhan yang direncanakan. Dengan demikian, sistem dinilai siap digunakan untuk mendukung pengelolaan prasarana dan program pembangunan di Desa Tanjung Datuk.

**Kata Kunci:** Scrum, Sistem Informasi, Prasarana Desa, Program Pembangunan, Website, Pengaduan Masyarakat.

***IMPLEMENTATION OF THE SCRUM METHOD IN THE  
MANAGEMENT OF INFRASTRUCTURE AND VILLAGE  
DEVELOPMENT PROGRAMS OF TANJUNG DATUK VILLAGE  
BASED ON WEB***

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***ABSTRACT***

*Based on the testing results of all system components of Tanjung Datuk Village, it can be concluded that the system functions properly according to its intended purpose. The login feature is capable of performing authentication and distinguishing access rights between village administrators and community users. The management of infrastructure data and village development programs allows users to add, update, and delete data with appropriate validation. The administrator can verify facility loan requests and manage public complaints, while community members can access information, submit loan applications, send complaints, and view the complete status and history of their submissions. The report printing feature is also able to display and generate reports based on the selected criteria. The testing results were presented to the Product Owner and were declared to meet the planned requirements. Therefore, the system is considered ready to be implemented to support the management of infrastructure and development programs in Tanjung Datuk Village.*

***Keywords:*** Scrum, Information System, Village Infrastructure, Development Program, Website, Public Complaint.