# INTISARI

Penelitian ini bertujuan untuk mengatasi permasalahan pencatatan agribisnis kopi yang belum terintegrasi, di mana data kopi masuk, data ketersediaan kopi, dan distribusi masih dicatat pada media yang berbeda sehingga menyulitkan proses rekapitulasi, verifikasi, dan penyusunan laporan. Penelitian ini dibatasi pada pengembangan sistem pencatatan data petani, detail pohon petani, jenis kopi, transaksi kopi masuk dan kopi keluar, pengelolaan data ketersediaan kopi, mekanisme pengajuan dan persetujuan perubahan data, serta penyajian laporan. Pengembangan sistem dilakukan menggunakan metode *Rapid Application Development* (RAD) dengan tahapan *requirements planning, user design, construction, dan cutover*. Sistem dirancang menggunakan pemodelan *Unified Modeling Language* (UML) dan diimplementasikan dengan *framework* CodeIgniter 4 serta basis data MySQL. Pengujian sistem dilakukan menggunakan metode *Black Box Testing* dan menunjukkan bahwa fungsi utama sistem dapat berjalan sesuai dengan kebutuhan pengguna. Hasil penelitian menunjukkan bahwa sistem informasi yang dikembangkan mampu mengintegrasikan proses pencatatan agribisnis kopi dalam satu sistem terpusat, sehingga pencatatan dan penelusuran data menjadi lebih terstruktur, efisien, dan mendukung keteraturan administrasi agribisnis kopi yang difasilitasi oleh BUMDes Melung.

Kata kunci: Sistem informasi, agribisnis kopi, BUMDes, RAD, web

## *ABSTRACT*

*This study aims to address the problem of unintegrated coffee agribusiness record-keeping at BUMDes Melung, where data on incoming coffee, coffee availability, and distribution are still recorded across separate media, causing difficulties in data recapitulation, verification, and report preparation. This research is limited to the development of a web-based information system for recording farmer data, farmer tree details, coffee types, incoming and outgoing coffee transactions, coffee availability data management, mechanisms for requesting and approving data changes, and report generation. The system was developed using the Rapid Application Development (RAD) method, which consists of the stages of requirements planning, user design, construction, and cutover. The system design utilized Unified Modeling Language (UML) modeling and was implemented using the CodeIgniter 4 framework with a MySQL database. System testing was conducted using the Black Box Testing method to evaluate functional performance. The results indicate that the developed information system is able to integrate coffee agribusiness record-keeping into a centralized system, replacing the previously manual and fragmented recording process. The system supports more structured, efficient, and traceable data management, thereby contributing to improved administrative order and operational support for coffee agribusiness activities facilitated by BUMDes Melung.*



*Keyword: Information system, coffee agribusiness, BUMDes, RAD, web*