

ABSTRAK

Nama : Arunia Salsanur Fais (140 2022 010);
Ruffino Ahmad Noor (140 2022 070);
Aisyah Selviana (140 2022 071)
Program Studi : Sarjana Teknik Informatika.
Judul : Pengembangan Aplikasi KONEKSI 3.0 untuk Layanan Alumni di
Universitas YARSI

Aplikasi KONEKSI 3.0 merupakan pengembangan lanjutan dari aplikasi KONEKSI yang dikembangkan oleh Universitas YARSI, dengan fokus pada penambahan fitur dan integrasi layanan guna mengatasi pengelolaan data alumni yang masih terfragmentasi. Penelitian ini bertujuan mengembangkan sistem terintegrasi yang mampu meningkatkan efektivitas pengelolaan data, penyediaan informasi, serta interaksi antara alumni dan universitas. Pengembangan sistem menggunakan metode Scrum dengan sembilan sprint yang mencakup tahapan *Sprint Planning*, *Daily Scrum*, *Sprint Review*, dan *Sprint Retrospective*. Sprint 1 difokuskan pada analisis kebutuhan dan perancangan awal, meliputi wawancara, penyusunan *user story*, serta desain basis data. Sprint 2–8 dilakukan secara iteratif untuk perancangan dan implementasi fitur utama, antara lain autentikasi, kartu alumni digital, komunikasi (*chat*), manajemen dokumen, notifikasi, informasi karier dan benefit, serta *dashboard* administrasi menggunakan teknologi React.js, Node.js, dan MongoDB. Sprint 9 difokuskan pada pengujian dan *deployment* sistem. Hasil pengujian menggunakan metode *black box testing* dan *System Usability Scale* (SUS) terhadap 30 responden memperoleh skor 79,42 yang termasuk kategori *good*. Hasil tersebut menunjukkan bahwa aplikasi memiliki tingkat kegunaan yang baik dan mampu mendukung layanan alumni secara terpusat dan efisien di Universitas YARSI.

Kata Kunci: KONEKSI 3.0, Scrum, Pengelolaan Data Alumni, *System Usability Scale*.

ABSTRACT

Name : Arunia Salsanur Fais (140 2022 010);
Ruffino Ahmad Noor (140 2022 070);
Aisyah Selviana (140 2022 071)
Study Program : Bachelor of Informatics Engineering
Title : Development of the KONEKSI 3.0 Application: Enhancing Alumni
Management Services at Universitas YARSI

The KONEKSI 3.0 application is a further development of the KONEKSI application created by Universitas YARSI, focusing on adding features and service integration to address fragmented alumni data management. This research aims to develop an integrated system capable of improving the effectiveness of data management, information provision, and interaction between alumni and the university. The system development utilized the Scrum method across nine sprints, encompassing stages of Sprint Planning, Daily Scrum, Sprint Review, and Sprint Retrospective. Sprint 1 focused on requirements analysis and initial design, including interviews, user story preparation, and database design. Sprints 2–8 were conducted iteratively for the design and implementation of core features, such as authentication, digital alumni cards, communication (chat), document management, notifications, career and benefit information, and an administrative dashboard using React.js, Node.js, and MongoDB technologies. Sprint 9 focused on system testing and deployment. The results of the testing using the black box testing method and the System Usability Scale (SUS) with 30 respondents yielded a score of 79.42, which falls into the "good" category. These results indicate that the application has a high level of usability and is capable of supporting centralized and efficient alumni services at Universitas YARSI.

Keywords: KONEKSI 3.0, Scrum, Alumni Data Management, System Usability Scale.