

ABSTRAK

Latar Belakang: Kegiatan Ko-asisten Program Pendidikan Profesi Dokter FKKMK UGM saat ini masih menggunakan *logbook* konvensional. Kasus yang terdokumentasi pada *logbook* tidak dapat dimanfaatkan lebih lanjut, tidak terekam sempurna, sulit dianalisis kembali, serta membutuhkan usaha yang besar untuk menyalin kembali isi dari rekam medis. Oleh karena itu, perlu dikembangkan rekam medis elektronik untuk kegiatan Ko-asisten mahasiswa FKKMK UGM.

Tujuan: Menghasilkan prototipe rekam medis elektronik bagi dokter muda yang bernama *Electronic Medical Record for Student (EMRS)* di Departemen Ilmu Kesehatan Anak, Fakultas Kedokteran, Kesehatan Masyarakat, dan Keperawatan (FKKMK) UGM.

Metode: Jenis penelitian ini adalah *Research and Development* dengan menerapkan *framework the Systems Development Life Cycle (SDLC)* hingga tahap pengujian. Subjek pada perancangan ini melibatkan 3 orang perwakilan Departemen Ilmu Kesehatan Anak, 5 orang dari perwakilan FKKMK UGM, dan 25 Mahasiswa Ko-asisten Stase Anak. Teknik pengumpulan data dilakukan dengan studi dokumentasi, FGD (*Focus Group Discussion*), dan kuesioner terbuka. Studi dokumentasi dilakukan pada tahap analisis kebutuhan, sedangkan FGD dan kuesioner terbuka dilakukan pada tahap uji coba prototipe EMRS.

Hasil: Prototipe EMRS dikembangkan berbasis *web* dan diimplementasikan dengan *framework* Laravel. Prototipe EMRS untuk hak akses mahasiswa terdiri dari 7 menu utama, yaitu: beranda, *logbook*, pasien, *explore*, *repository*, *achievement*, dan profil. Sementara, Prototipe EMRS untuk hak akses admin terdiri dari 3 menu utama, yaitu: *dashboard*, *pengguna*, dan *profil*.

Kesimpulan: Prototipe EMRS dapat diakses melalui alamat <https://emrpk.technosmart.id/>. Prototipe EMRS telah diuji cobakan kepada pengguna dan mendapatkan *feedback* berupa saran untuk perbaikan EMRS.

Kata Kunci: Prototipe, Rekam Medis Elektronik, Dokter Muda

ABSTRACT

Background: *Co-assistant activities for Medical Professional Education Program at FKMK UGM currently still use conventional logbooks. Cases documented in the logbook cannot be used further, not recorded completely, difficult to reanalyze, and require great effort to re-copy the contents of the medical record. Therefore, it is necessary to develop electronic medical records for Co-assistant activities for FKMK UGM students.*

Objective: *To produce an electronic medical record prototype for co-assistant named Electronic Medical Record for Student (EMRS) at Pediatrics Department, Faculty of Medicine, Public Health, and Nursing (FKMK) UGM.*

Methods: *This type of research was conducted using Research and Development by applying the Systems Development Life Cycle (SDLC) framework to the testing stage. The subjects in this design involved 3 representatives from Pediatrics Department, 5 representatives from FKMK UGM, and 25 Co-assistant Students at the Child's Station. Data collection techniques were carried out by means of a documentation study, FGD (Focus Group Discussion), and an open questionnaire. The documentation study was carried out at the needs analysis stage, while the FGD and open questionnaire were carried out at the EMRS prototype trial stage.*

Results: *The EMRS prototype was developed on a web-based basis and implemented with the Laravel framework. The EMRS prototype for student access rights consists of 7 main menus, namely: homepage, logbook, patient, explore, repository, achievement, and profile. Meanwhile, the EMRS prototype for admin access rights consists of 3 main menus, namely: dashboard, users, and profiles.*

Conclusion: *The EMRS prototype can be accessed through the address <https://emrfk.technosmart.id/>. The EMRS prototype has been piloted to users and received feedback in the form of suggestions for EMRS improvements.*

Keywords: *Prototype, Electronic Medical Record, Co-assistant*