

**PENGEMBANGAN APLIKASI PENILAIAN DAN RAPOR TERPADU  
KURIKULUM 2013 UNTUK SEKOLAH DASAR  
(STUDI KASUS: SEKOLAH DASAR NEGERI 18 SESETAN)**

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**ABSTRAK**

Penelitian ini bertujuan : (1) Menghasilkan Rancangan dan Mengembangkan Aplikasi Penilaian Dan Rapor Terpadu Kurikulum 2013 Untuk Sekolah Dasar Negeri 18 Sesetan, (2) Mengetahui respon guru dan orang tua siswa SDN 18 Sesetan terhadap pengembangan aplikasi rapor berbasis *web* dan *mobile* pada SDN 18 Sesetan. Penelitian ini merupakan jenis penelitian dan pengembangan dengan model *waterfall*. Implementasi penelitian ini menggunakan bahasa pemrograman *Javascript* dan *PHP* dengan *framework Laravel*, serta menggunakan komputasi berbasis *client-server* untuk membantu pertukaran data dan informasi. Pengujian aplikasi rapor berbasis *web* dan *mobile* pada SDN 18 Sesetan dilaksanakan dalam 5 tahap yaitu : (1) Pengujian *black box* (pengujian fungsionalitas) diperoleh seluruh proses telah mampu berjalan dengan baik, (2) Pengujian *white box* (pengujian prosedural) diperoleh pengimplementasian algoritma telah berhasil, (3) Pengujian ahli media yang diuji oleh dua dosen ahli (4) Pengujian ahli isi yang diuji oleh guru SDN 18 Sesetan (5) Pengujian respon pengguna menggunakan *System Usability Scale (SUS)* memberikan hasil presentase sebesar 80% dengan kategori Baik sehingga layak untuk diterapkan dan mempermudah guru dalam proses penilaian siswa.

**Kata Kunci :** Model Waterfall, Aplikasi, Rapor, *Web*, *Mobile*.

**THE DEVELOPMENT OF ASSESSMENT APPLICATIONS AND 2013  
INTEGRATED CURRICULUM REPORT FOR ELEMENTARY  
SCHOOLS (CASE STUDY: Public Elementary School No 18 Sesetan)**

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**ABSTRACT**

*This study aims to: (1) Produce a design and development of Assessment Applications and 2013 Intergrated Curriculum Report for Elementary School No 18 Sesetan. , (2) Determine teachers and parents of students' responses in SDN 18 Sesetan against web-based application development report and mobile in SDN 18 Sesetan. This study is a research and development by waterfall model. This study implementation uses the Javascript and PHP programming languages with frameworkLarave. As well as using Computation based client-server to assist data and information exchange. The testing of Web-based Report Application and mobile in SDN 18 Sesetan is done by five steps, those are: (1) Black box testing (functionality testing) is acquired by the entire process that has been able to walk properly, (2) White box testing (procedural testing) is acquired by algorithm implementation that was successful, (3) Testing media experts tested by two expert lecturers (4) Expert content testing tested by teachers in SDN 18 Sesetan. (5) Testing of user's responses using the System Usability Scale (SUS) gives a percentage of 80% with the Good category so it is feasible to apply and facilitate the teacher in the student assessment process.*

**Keywords:** *Waterfall Model, Application, Report Card, Web, Mobile.*