ABSTRAKS

SULASTRI LARASATI (12146271), Aplikasi Penentuan Kenaikan Kelas Pada SMA NEGERI 4 Sungai Raya Berbasis *Web*

SMA Negeri 4 Sungai Raya merupakan salah satu wahana pendidikan yang aktivitas akademiknya banyak melakukan pengolahan data siswa. Permasalahannya sering muncul dalam pengolahan data siswa yaitu pada saat pengolahan nilai siswa untuk kenaikan kelas. Pada SMA Negeri 4 Sungai Raya pengolahan data masih belum terkomputerisasi dan belum adanya aplikasi pendukung untuk melakukan pengolahan data siswa pada saat proses penentuan kenaikan kelas, sehingga pemeriksaan dilakukan satu persatu dan membutuhkan ketelitian, dikarenakan fasilitas sekolah yang kurang memadai seperti listrik dan komputer. Oleh karena itu, penyimpanan data yang ada masih dilakukan dengan cara pembukuan yang membutuhkan ruang yang cukup luas serta terjadi kesulitan pada saat melakukan pencarian informasi siswa. Maka dari itu, Tugas Akhir ini membahas mengenai Aplikasi Penentuan Kenaikan Kelas Pada SMA Negeri 4 Sungai Raya, metode yang digunakan adalah metode ilmiah dan metode pengembangan perangkat lunak yang digunakan adalah waterfall, model *Software Development Life Cycle* (SDLC) air terjun menyediakan alur hidup perangkat lunak secara sekuensial atau terurut di mulai dari analisis, desain, pengkodean, pengujian dan tahap pendukung (support) dan dalam proses penelitian ini tehnik pengumpulan data yang digunakan antara lain Wawancara (*Interview*), Pengamatan (*Observasi*) dan Studi Pustaka. Aplikasi Penentuan Kenaikan Kelas ini dirancang untuk membantu guru dalam menangani proses pengolahan nilai kenaikan kelas. Dengan adanya Aplikasi Penentuan Kenaikan Kelas ini diharapkan dapat membuat proses pengolahan data nilai siswa akan menjadi lebih mudah, tepat, cepat dan akurat.

Kata Kunci: Aplikasi Penentuan Kenaikan Kelas Pada SMA Negeri 4 Sungai Raya Berbasis *Web*.

ABSTRACT

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SMA Negeri 4 Sungai Raya is one of the educational vehicles whose academic activities perform a lot of student data processing. The problem often appears in the processing of student data that is at the time of processing the value of students to increase class. In SMA Negeri 4 Sungai Raya the data processing is still not computerized and there is no supporting application to perform the data processing of students during the process of determining the increase of the class, so the examination is done one by one and requires precision, due to inadequate school facilities such as electricity and computers. Therefore, the storage of existing data is still done by way of bookkeeping that requires a large enough space and difficulty occurs when searching for student information. Therefore, this final project discusses the Application of Class Increase Determination At SMA Negeri 4 Sungai Raya, the method used is the scientific method and software development method used is waterfall, the Software Development Life Cycle (SDLC) model waterfall provides the device life path Software is sequential or sequenced in the analysis, design, coding, testing and supporting stages and in the process of this research the data collection techniques used are Interview, Observation and Library Studies. The Classroom Increase App is designed to help teachers handle classroom grade processing. With the Application of Class Increase Determination is expected to make the data processing value of students will be easier, precise, fast and accurate.

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