



## ABSTRAK

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SMK Negeri 2 Baleendah merupakan salah satu sekolah negeri yang memanfaatkan teknologi informasi dan memiliki fasilitas lengkap untuk mendukung pembelajaran siswa. Namun di samping fasilitas yang lengkap dan pemanfaatan teknologi informasi, SMK Negeri 2 Kab.Baleendah Bandung masih memiliki kelemahan yang cukup kompleks dalam pengelolaan data, khususnya pengolahan data dalam perpustakaan.

Pengolahan data perpustakaan yang akurat akan menentukan mutu dan hasil pelayanan kepada anggota perpustakaan. Namun sistem yang berjalan saat ini membuat pustakawan akan mengalami kesulitan dalam pengolahan data koleksi, data anggota perpustakaan, data peminjaman koleksi, dan data pengembalian koleksi. Sehingga sering terjadi redudansi data dan sulit untuk melaporkan data peminjaman dan pengembalian koleksi beserta perhitungan denda bagi setiap anggota yang terlambat mengembalikan koleksi. Sedangkan kesulitan bagi anggota perpustakaan adalah belum adanya fasilitas memperpanjang masa peminjaman secara online.

Untuk mengatasi permasalahan tersebut diperlukan sebuah sistem perpustakaan sekolah yang berbasis web dan layanan sms sebagai penunjang informasi bagi anggota. Pada sistem berbasis web, anggota perpustakaan dapat mencari buku lebih cepat dari sistem sebelumnya, dan keamanan data terjaga. Sedangkan layanan sms (*SMS Gateway*) digunakan untuk pemberitahuan batas waktu pinjam dan cek denda.

Kata Kunci : Pengolahan Data, Perpustakaan, Redudansi, *Web(online)*, SMS Gateway,Keamanan Data.



## ABSTRACT

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*SMK Negeri 2 Baleendah Kab.Bandung is one of the schools that already have a complete a range of facilities. For now, the facilities provided by the school is helping students in supporting their learning process. But in addition to a complete facility, SMK Negeri 2 Kab.Baleendah Bandung still has considerable weaknesses in the management of complex data, particularly data processing student scores.*

*Until now, data processing student scores are still using manual system is not computerized and the data storage is still scattered in every teacher matapelajaran concerned and has not been well documented. Data storage is still using the book or who is often called report. In addition, the level of problems caused the system is very much. Among these, missing student data scores, report due to negligence wet some students, and other natural factors that cause damage report.*

*To solve this problem, SMK Negeri 2 Kab.Baleendah Bandung need to have a database as a data storage medium, as a tool for data sharing between teachers and students value allows the student to see the value that was obtained subject who followed every student. This is what underlies the manufacture of a final project, entitled "Creating Web-based Assessment Information System on the SMK Negeri 2 Baleendah Kab.Bandung", this application is a medium that manage / handle data processing of student scores, student value data storage, and the graphics functionality that can be demonstrated development of students' learning from each subject, class rank, and ranking contemporaries. For parents there is the functionality of the comments, its function to a forum question and answer students' problems between parents and teachers guardian. The final project created using PHP and MySql programming language for database processing.*

*Keywords: Value Processing, Library, Redudancy, Web(online), SMS Gateway, Data Security.*