

PENGEMBANGAN SISTEM MONITORING KEGIATAN ANAK BERKEBUTUHAN KHUSUS DI SEKOLAH TK ALUNA MONTESSORI BERBASIS WEBSITE

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ABSTRAK

TK Aluna Montessori merupakan lembaga pendidikan anak usia dini yang memberikan pelayanan pendidikan holistik dengan pendekatan Montessori, termasuk bagi anak berkebutuhan khusus (ABK). Kendala utama yang dihadapi sekolah dalam pelaksanaan kegiatan sehari-hari adalah proses pencatatan aktivitas harian dan mingguan ABK yang masih dilakukan secara manual. Hal ini berdampak pada lambatnya akses data dan kurangnya transparansi informasi bagi orang tua murid. Untuk mengatasi permasalahan tersebut, penelitian ini bertujuan untuk mengembangkan sistem *monitoring* kegiatan anak berbasis *website* dengan menerapkan pendekatan *Customer Relationship Management* (CRM). Penerapan CRM dalam institusi pendidikan ini dirancang untuk mengelola komunikasi antara sekolah dan orang tua secara lebih terstruktur, serta mendukung pelaporan kegiatan anak secara transparan dan *real-time*. Tahapan penelitian yang dilakukan meliputi studi lapangan, analisis sistem berjalan, perancangan sistem, pengembangan perangkat lunak menggunakan *framework* Laravel, serta pengujian fungsional. Hasil penelitian menunjukkan bahwa sistem berbasis *website* yang dikembangkan telah berhasil menyampaikan informasi kegiatan harian anak dan memvisualisasikan grafik perkembangan anak secara langsung kepada orang tua murid. Berdasarkan hasil pengujian *User Acceptance Test* (UAT), sistem ini mencapai tingkat keberhasilan fungsional sebesar 93,5%. Kesimpulannya, implementasi sistem ini secara signifikan mampu meningkatkan efisiensi dalam proses *monitoring* kegiatan harian anak berkebutuhan khusus di TK Aluna Montessori.

Kata Kunci: Anak Berkebutuhan Khusus, *Customer Relationship Management* (CRM), Laravel, Sistem *Monitoring*, *Website*.

DEVELOPMENT OF A WEBSITE-BASED ACTIVITY MONITORING SYSTEM FOR CHILDREN WITH SPECIAL NEEDS AT ALUNA MONTESSORI KINDERGARTEN

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ABSTRACT

Aluna Montessori Kindergarten is an early childhood education institution that provides holistic educational services using the Montessori approach, including for children with special needs. The main obstacle faced by the school in carrying out daily activities is the recording process for the daily and weekly activities of children with special needs, which is still done manually. This results in slow data access and a lack of information transparency for parents. To overcome these problems, this study aims to develop a website-based child activity monitoring system by applying a Customer Relationship Management (CRM) approach. The implementation of CRM in this educational institution is designed to manage communication between the school and parents in a more structured manner, as well as to support transparent and real-time reporting of children's activities. The research stages conducted include field studies, current system analysis, system design, software development using the Laravel framework, and functional testing. The research results show that the developed website-based system has successfully delivered children's daily activity information and directly visualized children's development charts for parents. Based on the User Acceptance Test (UAT) results, this system achieved a functional success rate of 93.5%. In conclusion, the implementation of this system is capable of significantly improving efficiency in the daily activity monitoring process for children with special needs at Aluna Montessori Kindergarten.

Keywords: Children with Special Needs, Customer Relationship Management (CRM), Laravel, Monitoring System, Website.