

KUKUH SATRIA WIBAWA, 21.230.0022

SISTEM INFORMASI MONITORING DATA PERKEMBANGAN DIDIK ANAK USIA DINI PADA TK PEMBINA KALISALAK BATANG, dibawah bimbingan Eko Budi Susanto, M.Kom. dan Nur Ika Royanti, M.Kom.

116 + xiv halaman / 71 gambar / 24 tabel / 7 lampiran / 13 pustaka (2018-2025)

ABSTRAK

Berdasarkan hasil observasi di TK Pembina Kalisalak Batang, diketahui bahwa proses monitoring perkembangan anak, baik karakter maupun kesehatan, dilakukan secara manual oleh guru setiap hari dan direkap menggunakan laptop. Metode ini dinilai kurang fleksibel dan memerlukan waktu yang cukup banyak, sehingga menyebabkan ketidakefisienan dalam pencatatan dan pelaporan. Oleh karena itu, dibutuhkan sistem informasi yang dapat membantu mempercepat, mempermudah, dan meningkatkan akurasi proses monitoring serta mempermudah wali siswa dalam mengakses informasi perkembangan anak. Sistem dikembangkan menggunakan metode Waterfall, melalui tahapan komunikasi, perencanaan, pemodelan, konstruksi, dan penyerahan sistem. Perancangan dilakukan menggunakan diagram UML seperti use case, activity, sequence, dan class, serta Lembar Kerja Tampilan (LKT). Sistem dibangun berbasis web menggunakan framework CodeIgniter dan database MySQL. Pengujian dilakukan menggunakan metode White Box, Black Box, dan User Acceptance Test (UAT). Hasil pengujian menunjukkan bahwa sistem berjalan sesuai rancangan dan kebutuhan pengguna. Sistem ini mempermudah pihak TK Pembina dalam melakukan monitoring secara objektif, cepat, dan sistematis, serta menyimpan riwayat perkembangan anak. Ke depannya, sistem ini dapat dikembangkan ke platform mobile dengan integrasi notifikasi guna meningkatkan interaktivitas dan kemudahan akses bagi wali siswa.

Kata kunci: *Monitoring Anak, Sistem Informasi, TK Pembina, Waterfall, CodeIgniter.*

KUKUH SATRIA WIBAWA, 21.230.0022

**INFORMATION SYSTEM FOR MONITORING DATA ON THE
DEVELOPMENT OF EARLY CHILDHOOD EDUCATION AT PEMBINA
KINDERGARTEN KALISALAK BATANG**, under guidance of Eko Budi
Susanto, M.Kom. dan Nur Ika Royanti, M.Kom.

116 + xiv pages / 71 images / 24 tables / 7 attachments / 13 libraries (2028-2025)

ABSTRACT

Based on observations at TK Pembina Kalisalak Batang, it was found that the monitoring process of children's development, both in terms of character and health, is conducted manually by teachers on a daily basis and then recapped using a laptop. This method is considered inflexible and time-consuming, leading to inefficiencies in data recording and reporting. Therefore, an information system is needed to assist in speeding up, simplifying, and improving the accuracy of the monitoring process, while also facilitating parents or guardians in accessing their children's development information. The system was developed using the Waterfall method, through stages of communication, planning, modeling, construction, and system delivery. The design process utilized UML diagrams such as use case, activity, sequence, and class diagrams, along with interface design using Display Work Sheets (DWS). The system was built as a web-based application using the CodeIgniter framework and MySQL database. Testing was conducted using White Box, Black Box, and User Acceptance Test (UAT) methods. The results showed that the system functions according to the design and meets user requirements. This system enables TK Pembina to conduct monitoring more objectively, quickly, and systematically, while also storing development history. In the future, it can be enhanced into a mobile application with notification integration to increase interactivity and accessibility for parents.

Keywords: *Child Monitoring, Information System, TK Pembina, Waterfall, CodeIgniter.*