

Abstract

**Design and build Information System monitoring and management Control
Web-based students
(CASE STUDY: SDN 1 Pinang Jaya Bandar Lampung)**

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Currently, the development of technology is increasingly advanced from the past because human needs continue to develop, this is a necessity in the development of innovations in the field of technology and others. Such as technological developments in the field of Education, technological advancements such as online learning, E-learning in the field of education, but there are still some schools that still use manuals, such as SDN 1 Pinang Jaya Kemiling Bandar Lampung school which still uses manual methods in attendance and assessment. For this reason, the author conducted a research that aims to make it easier for school members in attendance and grades, namely by creating an education system (SIPEPINJA) of the Pinang Jaya Education System, this elementary school still uses a manual method where for attendance and grades use attendance books and assessment books and also still uses ms.excel in managing school data. The solution with the existence of SEPEPINJA is expected to make it easier for school members in attendance and assessment to build this system, the author uses the Extreme Programming method and visual code tools for coding, PHP building websites, Laravel Framework to streamline database management, Xampp functions to create local servers, and MySQL stores and manages databases. The results obtained from this system are that the school has its own website in conducting student attendance and assessment. And controlled through a centralized database with web-based access.

Keywords: SDN 1 Pinang Jaya, Student Attendance and Score, Extreme Programming