

INTISARI

APLIKASI PRESENSI EVENT ‘MEMBER TECHNOCENTER’ BERBASIS PROGRESSIVE WEB APPS BAGI PENGUNJUNG PT CIPTA SEDAYA DIGITAL INDONESIA

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Technocenter sebagai salah satu layanan PT Cipta Sedaya Digital Indonesia sering mengadakan *event* atau seminar khususnya berkaitan dengan pengembangan perangkat lunak. Panitia dalam menyelenggarakan *event* mengalami kesulitan dalam rekapitulasi data karena proses presensi pengunjung masih dilakukan dengan cara tanda tangan pada kertas yang disediakan oleh panitia. Melihat dari permasalahan tersebut, Technocenter menugaskan penulis untuk mengembangkan aplikasi bernama 'Member Technocenter' yang berbasis *progressive web apps* (PWA) bagi pengunjung dan web admin bagi panitia. Kedua sistem tersebut dibangun dengan tujuan untuk memudahkan pengunjung dalam registrasi dan presensi *event* serta memudahkan panitia dalam mengelola data pengunjung, data *event*, dan data riwayat presensi pengunjung. Metodologi penelitian yang dilakukan yaitu pengumpulan data, perancangan dan pengembangan sistem, dan pelaporan. Aplikasi presensi dan kelola event ini dibangun menggunakan platform *low-code Outsystems*. *Outsystems* memudahkan penulis dalam membangun kedua sistem mulai dari perancangan basis data, sisi *backend*, tampilan antarmuka, serta *deployment* aplikasi. Kesimpulan dari proyek akhir ini yaitu aplikasi Member Technocenter telah berhasil dikembangkan dan layak digunakan merujuk pada pengujian yang telah dilakukan.

Kata kunci: *Event*, Presensi, Kelola, *Outsystems*, PWA

ABSTRACT

PROGRESSIVE WEB APP-BASED EVENT ATTENDANCE APPLICATION 'MEMBER TECHNOCENTER' FOR VISITORS OF PT CIPTA SEDAYA DIGITAL INDONESIA

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Technocenter, as one of the services provided by PT Cipta Sedaya Digital Indonesia, frequently organizes *events* or seminars, particularly related to software development. The organizing committee has faced difficulties in data recapitulation due to the current manual attendance process, where visitors sign their names on paper provided by the committee. In view of this problem, Technocenter has assigned the author to develop an application called 'Member Technocenter' based on *Progressive Web Apps* (PWA) for visitors and a web admin for the committee. Both systems are built with the aim of facilitating visitor in registration and event attendance, as well as assisting the committee in managing visitor data, *event* data, and attendance history. The research methodology employed includes data collection, system design and development, and reporting. The attendance and event management application is developed using the low-code platform *Outsystems*. *Outsystems* has facilitated the author in building both systems, including *database design*, *backend development*, user interface design, and application *deployment*. The conclusion of this final project is that the Member Technocenter application has been successfully developed and is deemed suitable for use, based on the conducted testing.

Keywords: Event, Attendance, Management, *Outsystems*, PWA