

**PENGEMBANGAN MODUL PERENCANAAN DAN MONITORING
INDIKATOR KINERJA UTAMA DAN PERJANJIAN KINERJA PADA
FAKULTAS ILMU KOMPUTER UPN “VETERAN” JAKARTA**

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ABSTRAK

Fakultas Ilmu Komputer Universitas Pembangunan Nasional "Veteran" Jakarta menerima dan mengelola target turunan Indikator Kinerja Utama (IKU) dan Perjanjian Kinerja (PK) dari universitas yang selama ini dikelola secara manual melalui surat-menyurat, rekapitulasi spreadsheet, dan penyimpanan dokumen yang tersebar. Kondisi ini menyebabkan proses distribusi target, pencatatan capaian, dan monitoring kinerja menjadi tidak efisien, rentan duplikasi data, serta menyulitkan evaluasi kinerja secara berkelanjutan. Penelitian ini bertujuan merancang dan membangun sistem informasi pelaporan IKU dan PK berbasis web menggunakan framework Next.js dan NestJS dengan metode Rapid Application Development (RAD). Sistem yang dikembangkan mencakup fitur distribusi target secara berjenjang (cascading), pencatatan realisasi capaian yang terintegrasi dengan Sistem Repository, validasi bertahap tiga lapis oleh Atasan Langsung, Wakil Dekan 1 sebagai Pejabat Penilai Kinerja, dan Dekan, serta penyusunan dan pencetakan dokumen Sasaran Kinerja Pegawai (SKP). Pengujian dilakukan menggunakan metode Black Box Testing dengan melibatkan delapan kelompok pengguna, yaitu Super Admin, Admin, Dekan, Wakil Dekan, Ketua Jurusan, Ketua Program Studi, Dosen, dan Tenaga Kependidikan. Hasil pengujian menunjukkan seluruh fungsi utama sistem berjalan sesuai kebutuhan. Sistem ini diharapkan mendukung tata kelola kinerja yang lebih transparan, akuntabel, dan berbasis data di Fakultas Ilmu Komputer UPN "Veteran" Jakarta.

Kata Kunci: Indikator Kinerja Utama, Perjanjian Kinerja, Rapid Application Development, Next.js, Nest.js

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ABSTRACT

The Faculty of Computer Science at Universitas Pembangunan Nasional "Veteran" Jakarta receives and manages cascaded targets of Key Performance Indicators (KPI) and Performance Agreements (PA) from the university, which have previously been handled manually through correspondence, spreadsheet recapitulation, and scattered document storage. This condition has led to inefficient target distribution, performance recording, and monitoring processes, as well as increased risks of data duplication and difficulties in conducting continuous performance evaluations. This study aims to design and develop a web-based KPI and PA reporting information system using the Next.js and NestJS frameworks with the Rapid Application Development (RAD) method. The developed system includes features for hierarchical target distribution (cascading), achievement recording integrated with the Repository System, a three-stage validation process involving the Direct Supervisor, Vice Dean I as the Performance Evaluating Officer, and the Dean, as well as the preparation and printing of Employee Performance Target (SKP) documents. Testing was conducted using the Black Box Testing method involving eight user groups: Super Admin, Admin, Dean, Vice Dean, Head of Department, Head of Study Program, Lecturer, and Education Support Staff. The test results indicate that all major system functions performed as required. This system is expected to support more transparent, accountable, and data-driven performance governance at the Faculty of Computer Science UPN "Veteran" Jakarta.

Keywords: Key Performance Indicators, Performance Agreement, Rapid Application Development, Next.js, Nest.js