**ABSTRACT**

This study focuses on the installation and implementation of Nutanix Foundation at PT. Tabel Data Informatika, a leading company in the information technology industry. Nutanix Foundation is a hyper-converged platform that combines computing, storage, and virtualization into a single efficient solution. The research methodology includes detailed installation steps, from environment preparation to final configuration, as well as integration with existing infrastructure, network setup, and system performance optimization. The implementation process also includes training for the company's IT team to ensure a thorough understanding of this new system. Implementation results show increased operational efficiency, reduced maintenance costs, improved system reliability, and IT infrastructure scalability. Evaluation through trials and data analysis confirms that Nutanix Foundation effectively meets the company's operational needs, providing a strong foundation for future IT infrastructure growth. These findings are significant for other organizations considering the adoption of hyper-converged solutions, as Nutanix Foundation can optimize operational efficiency, reduce complexity, and enhance IT infrastructure flexibility, supporting business growth and sustainability.

Keywords — Nutanix Foundation, hyper-convergence, installation, operational efficiency, IT infrastructure, system integration