

ANALISIS KESIAPAN DAN PENERIMAAN PENERAPAN APLIKASI INFINITY DENGAN *TECHNOLOGY READINESS AND ACCEPTANCE MODEL (TRAM)* PADA PT PGAS SOLUTION

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ABSTRAK

Teknologi merupakan media yang digunakan untuk menunjang proses bisnis perusahaan maupun organisasi. PT PGAS Solution mempunyai inovasi aplikasi *Inventory Information and Integration Activity* (Infinity) yang digunakan untuk memproses sistem *inventory* di PT PGAS Solution. Aplikasi Infinity merupakan aplikasi yang tergolong baru di PT PGAS Solution karena sebelum hadirnya aplikasi Infinity, proses *inventory* masih menggunakan cara konvensional. Sebelum aplikasi Infinity siap diimplementasikan, pengguna aplikasi Infinity harus sudah siap dalam mengimplementasikan aplikasi Infinity. Penelitian ini bertujuan untuk mengukur tingkat kesiapan penerimaan dan penerapan Aplikasi Infinity dengan menguji keterkaitan 10 variabel model *Technology Readiness Acceptance Model (TRAM)* yaitu *Optimism, Innovativeness, Insecurity, Discomfort, Perceived usefulness, Perceived Ease of Use, dan Intention to Use*. Penelitian ini merupakan penelitian kuantitatif dengan metode analisis data menggunakan *Partial Least Square-Structural Equation Model (PLS-SEM)*. Luaran dari penelitian ini yaitu memberikan rekomendasi yang dapat dijadikan untuk meningkatkan kesiapan pengguna dan infrastruktur teknologi di PT PGAS Solution dalam menerapkan aplikasi Infinity. Berdasarkan hasil pengujian, variabel eksogen yang mempunyai pengaruh paling tinggi yaitu variabel *Optimism (OPT)* terhadap variabel endogen *Perceived Usefulness (PU)*. Kedua variabel tersebut mempunyai pengaruh positif dan signifikan sebesar 45,5%.

Kata Kunci: Model TRAM, Aplikasi Infinity, Penerimaan Pengguna, PLS-SEM

**ANALYSIS OF READINESS AND ACCEPTANCE OF INFINITY
APPLICATION WITH TECHNOLOGY READINESS AND ACCEPTANCE
MODEL (TRAM) AT PT PGAS SOLUTION**

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ABSTRACT

Technology is a medium used to support the business processes of companies and organizations. PT PGAS Solution has an innovative Inventory Information and Integration Activity (Infinity) application that is used to process the inventory system at PT PGAS Solution. The Infinity application is a relatively new application at PT PGAS Solution because before the arrival of the Infinity application, the inventory process was still using conventional methods. Before the Infinity application is ready to be implemented, Infinity application Users must be ready to implement the Infinity application. This study aims to measure the level of acceptance and application of Infinity Applications by testing the interrelationships of 10 Technology Readiness Acceptance Model (TRAM) variables, namely Optimism, Innovativeness, Insecurity, Discomfort, Perceived Usefulness, Perceived Ease of Use, and Intention to Use. This research is a quantitative research with data analysis method using Partial Least Square-Structural Equation Model (PLS-SEM). The output of this research is to provide recommendations that can be used to improve the readiness of Users and technology infrastructure at PT PGAS Solution in implementing the Infinity application. Based on the test results, the exogenous variable that has the highest influence is the Optimism (OPT) variable on the endogenous Perceived Usefulness (PU) variable. Both variables have a positive and significant effect of 45.5%.

Keywords: TRAM Model, Infinity Application, User Acceptance, PLS-SEM