

## **ABSTRAK**

### **PERANCANGAN APLIKASI GAME PSIKOTES BERBASIS ANDROID MENGGUNAKAN METODE *RAPID APPLICATION DEVELOPMENT (RAD)***

**Oleh**

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Penelitian ini bertujuan untuk menerapkan instrument ilmu psikologi oleh Prof. *Anthony Gregorc* berupa *Thinking Style* menjadi sebuah aplikasi game mobile *smartphone* yang memudahkan user dalam melakukan psikotes dengan kenyamanan berbentuk sketsa *Text-Based RPG* agar user mendapatkan kecendrungan gaya berpikir dan mendapatkan kesejahteraan psikologi. Penelitian ini dilakukan berdasarkan metode *RAD (Rapid Application Development)* yang dilakukan dengan bantuan *Tools Game Engine* berupa *Unity Engine 3D Free Edition*. Analisis hasil dilakukan dengan pengujian fungsional melalui metode Black Box dan analisis pengujian non fungsional melalui metode sampel acak Convenience Sampling. Hasil analisis pengujian fungsional menunjukkan aplikasi Game Psikotes berfungsi sesuai dengan perencanaan. Hasil analisis pengujian non fungsional menunjukkan aplikasi Game Psikotes masuk dalam kategori “Cukup Baik” dengan rata-rata nilai 77.3%.

Kata Kunci: *Gregorc Thinking Style*, Psikologi Manusia, *Self Report*, Game Psikotes.

## **ABSTRACT**

### **DEVELOPING PSYCHOTEST APPLICATION GAME BASED ON ANDROID WITH RAPID APPLICATION DEVELOPMENT (RAD) METHOD**

**by**

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This research purposes is to apply psychological knowledge into an app which can be accessed from mobile app and makes self report about thinking style classification to user, therefore give user psychological welfare. This research was conducted based on Rapid Application Development framework, with mobile apps based system using *Unity Engine 3D* Framework. The app result was tested and analyzed with functional test using Black Box Equivalence Partitioning method and non functional test using Convenience Sampling questionnaire. The result of functional test showed the App function correctly. Non functional test result showed Socialalyze App is under “Good” category with average score 77.3%.

**Keywords:** Thinking Style Measure, Human Psychology, Self Report, Quiz Game Mobile Apps.