

## ABSTRAK

### APLIKASI SISTEM PENDUKUNG KEPUTUSAN UNTUK MENENTUKAN TRANSAKSI *ONLINE* YANG AMAN MENGUNAKAN METODE *ANALITICAL HIERARCY PROCESS (AHP)* BERBASIS *WEB* (STUDI KASUS : FORUM JUAL BELI KASKUS)

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Pada media informasi *online* maupun cetak banyak diberitakan kasus penipuan yang terjadi melalui media *blog* dan *website* salah satunya Forum Jual Beli kaskus. Forum Jual Beli kaskus adalah sebuah *website* yang menyediakan wadah pertemuan *online* antara para penjual dan pembeli. Maraknya penipuan transaksi melalui jual beli barang secara *online* tersebut menciptakan ketakutan dan kecurigaan tersendiri bagi para calon pembeli *online*. Oleh karena itu dibutuhkan suatu sistem pendukung keputusan untuk menentukan transaksi *online* yang aman yang membantu pembeli lebih aman dan nyaman serta meminimalisir resiko kejahatan penipuan dalam bertransaksi *online*. Sistem pendukung keputusan adalah sistem berbasis komputer yang interaktif yang membantu pengambil keputusan memanfaatkan data dan model untuk menyelesaikan masalah tak terstruktur.

Pada tugas akhir ini, sistem pendukung keputusan yang dirancang adalah Sistem Pendukung Keputusan Untuk Menentukan Transaksi *Online* Yang Aman. Metode yang digunakan adalah metode *Analitical Hierarchy Process*. Sedangkan Metode Pengembangan Perangkat Lunak yang digunakan adalah metode *Rational Unified Process (RUP)*. Dalam perancangan ini menggunakan bahasa pemrograman *PHP* dan database *MySQL*.

Berdasarkan hasil dari pengujian betha, Aplikasi Sistem Pendukung Keputusan ini dapat membantu meminimalisir potensi munculnya aksi kejahatan penipuan transaksi *online* dan dapat memberikan kenyamanan dalam bertransaksi *online* pada situs Forum Jual Beli Kaskus. Informasi yang akan dihasilkan adalah status transaksi serta rekomendasi.

Kata Kunci : Forum Jual Beli Kaskus, Transaksi *Online*, Sistem Pendukung Keputusan, *Analitical Hierarchy Process*, Rekomendasi.

## **ABSTRACT**

### **DECISION SUPPORT SYSTEM'S APPLICATION AS A DEVICE IN DETERMINING SECURE ONLINE TRANSACTIONS USING ANALYTICAL HIERARCHY PROCESS(AHP) METHOD WEB-BASED (A CASE STUDY IN FORUM JUAL BELI KASKUS)**

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Recently, media of information both online and printed are widely reported to become the source of fraudulent cases. The cases are commonly happened in several online media such as Blogs and Websites. As a matter of fact, Forum Jual Beli Kaskus has become a highlight in Indonesia especially in transaction activities. This forum becomes a proper cyber-place for people, not only for those who become the sellers but also the buyers to do a simple transaction in order to gain some profits.

As a coin that always has two sides, besides its success, online transaction is creating an anxiety among the people. Fraudulent, cyber-crimes and suspicions amidst buyers and sellers are greatly assumed to be its essential cases. Therefore, in creating a comfort zone in online transaction, a decision support system's application in determining a secure online transaction is really needed. This application is designed either to minimize the risk of fraudulent or to increase people's awareness to use online method in trading. Decision support system is an interactive computer-based system that could help decision maker in improving and providing some useful data from models as well as to solve some unstructured problems.

In this final paper, decision support system that is designed by the writer is due to Decision Support System Application in Determining Secure Online Transaction. The writer used Analytical Hierarchy Process as his research methodology. In this research the writer used Rational Unified Process (RUP) as his Software Development Method and PHP plus MySQL as the research language program and database.

Based on the result of betha testing, Decision Support System's Application can reduce or minimize the potential emerge of fraudulent through online transaction. It also provides comfort and secured feelings in doing online transaction in Forum Jual Beli Kaskus as its research case study. Main information that will be presented in this paper is the transaction status and its recommendation as a measure of secure and well-being online transaction.

**Keywords:** Forum Jual Beli Kaskus, Online Transaction, Decision Support System, Analytical Hierarchy Process, Recommendation.