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E-Procurement For SMI

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ABSTRACT(BAHASA MALAYSIA)

Perdagangan B2B (B2B) berasaskan internet sedang merevolusikan cara perniagaan di antara organisasi. Perniagaan perolehan telah muncul sebagai panduan penting untuk revolusi B2B ini. Perkhidmatan perolehan atas talian, atau e-perolehan, yang telah mengautomatiskan semua atau sebahagian daripada proses tuntutan-kepada-penyelesaian dan penegasan strategik yang baru kepada fungsi pembelian telah menjadikan e-perolehan topic yang paling kerap diperkatakan di perdagangan Internet kini.

Perolehan barang-barang dan perkhidmatan adalah suatu sumber kekecewaan dan tidak efisien di segi kos dalam banyak organisasi akibat terus bergantung pada cara pengenalian yang tidak efisien. e-Perolehan berjanji untuk mengubah proses pembelian secara dramatik, yang membuatnya lebih cepat, dan mengurangkan kos yang amat tinggi serta menaikkan kecekapan. Proses penyelesaian e-perolehan dapat menolong organisasi dalam pengurusan secara menyeluruh dan pentadbiran yang melibatkan perolehan barang-barang dan perkhidmatan, dan pada masa yang sama menggalakkan sumber yang sebaiknya.

Salah satu projek perintis *e-government* Malaysia, e-Perolehan, dengan secara rasmi akan mengambil alih pendaftaran daripada 28,000 orang pembekal di seluruh negara itu, sebaik sahaja sistem dan infrastruktur itu bersedia. Kebanyakan kecil dan sederhana perniagaan tidak memberi perhatian kepada automasi perolehan dalam mengendalikan operasi sumber, seperti bekalan pejabat, telefon, penghantaran cepat, pengembaraan dan hiburan, dan cetakan dan penerbitan. Kos ini adalah sebahagian besar daripada hasil menyeluruh, kebanyakan syarikat tidak menyedari modal yang telah dilaburkan dalam inventori dan dalam pengurusan harta operasi.

Projek ini berkenaan dengan mentakrifkan dan membangunkan suatu sistem e-perolehan yang akan menolong kumpulan SMI memperkemas proses pembelian. Proses penyelesaian perolehan yang digunakan untuk projek ini adalah berdasarkan kepada konsep penukaran sulit. Ia adalah unggul untuk kumpulan SMI dan membekalkan peluang untuk organisasi dalam mendirikan masyarakat mereka sendiri. Matlamat muktamad projek ini adalah untuk mentakrifkan semula dan memperkemas proses perolehan untuk bahan tidak langsung dan mendapat suatu cara yang lebih berkesan dalam menghubungkan pembeli kepada penjual dan memperbaiki kecekapan proses pembelian. Terlebih dahulu, kertas ini menyampaikan konsep e-perolehan secara menyeluruh, diikuti dengan penyelesaian alternatif e-perolehan yang telah dilaksanakan di dalam bidang ini.

Suatu kajian kes telah diadakan di sebuah syarikat terpilih SMI untuk melanjutkan kefahaman terhadap pengendalian dan mengecam kawasan yang berpotensi untuk menggunakan sistem e-perolehan. Sistem analisis akan

menegaskan keperluan perniagaan proses perolehan dan mengecam perihal had syarikat SMI dalam persediaan untuk pelbagai penyelesaian perusahaan. Rekabentuk sistem berkenaan bukan sahaja merekabentuk sistem yang dicadangkan tetapi mendefinisikan semula proses semasa dan operasi perolehan di syarikat SMI. Sebagai tambahan, pendekatan terhadap e-perolehan bergantung pada struktur organisasi dan industri yang bersaing. Perkaedahan struktur sistem analisis dan rekabentuk digunakan untuk menganjurkan kaji penuh tentang sistem yang dicadangkan. Akhir sekali, model e-perolehan untuk kumpulan SMI akan dicadangkan dan dipaparkan.

ABSTRACT (ENGLISH)

Internet-based business-to-business (B2B) commerce is revolutionizing the way business is conducted between organizations. Business procurement has emerged as the key driver of this B2B revolution. Online procurement services, or e-procurement, that automate all or part of the requisition-to-settlement processes and the new strategic emphasis on the purchasing function has made e-procurement the hottest area of Internet commerce today.

The procurement of goods and services is a source of frustration and costly inefficiency in many organizations due to continue reliance on inefficient manual, paper-based processes. E-Procurement promises to change the purchasing process dramatically, making it faster, cheaper and result in huge cost savings and increased efficiency. E-Procurement solutions can help organizations to manage the entire workflow and administration involved in procuring goods and services and at the same time encourage better sourcing and supply management.

One of the Malaysia's pioneer e-government projects, e-procurement, will officially take over the registration of the government's 28,000 suppliers nationwide as soon as the system and infrastructure are ready. Most small to medium enterprises however, have paid little attention to the automation and integration of purchasing operating resources, such as office supplies, telephones, overnight delivery, travel and entertainment, and printing and publishing. These costs are often a greater portion of total revenue, additionally most companies do not realize how much capital is invested in the inventory and management of operating assets.

This project is concerned with defining and developing an e-Procurement system that would help the SMI companies to streamline the purchasing process. The procurement solution adopted for this project is based on the concept of private exchange. It is ideal for SMI companies and provides the opportunity for the organizations to create their own community. The ultimate goal of this project is redefining and streamlining the procurement process for indirect material and to find a more effective way to connect buyers to sellers and improving the efficiency of the purchasing process. Firstly, the paper presents the overall concepts of e-procurement, followed by the alternative e-procurement solution that had been implemented in the market. A case study is conducted for a selected SMI company to further understand the operation and identify the potential areas of utilizing the e-procurement system. System analysis will emphasize on the business requirement of the procurement process and identify the limitations of the SMI companies in terms of the availability of various enterprise-wide solutions. System design is concerned not only with designing

the new proposed system but to redefine the current process and practice of procurement in the SMI companies. In addition, company approaches to e-procurement depends on the structure of the organization and the industry it competes in. Structured system analysis and design methodology is used to conduct the full study of the proposed system. Lastly, a proposed e-procurement model for the SMI companies will be developed and presented.

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CHAPTER ONE : INTRODUCTION

1.1 e-Commerce

Electronic Commerce has emerged as a new business model, which leverages the power of the Internet to offer business opportunities. Its borderless nature means that companies can gain access to a worldwide market to promote their products and services. For smaller companies, the e-commerce model also offers what is considered a more level playing field to compete with bigger and more financially sound competitors. The Internet has, over a short period of time, changed the traditional business models, and accelerated business cycles. Businesses will shift from attracting customers to websites to using the Internet as a tool to give the customers the information they want, regardless of when, where and how.

1.2 e-Procurement

The global Electronic Commerce revolution is entering a new phase. While the first stage was fueled by the vision and innovation of business-to-consumer Internet companies, the next phase will be defined by the leadership and market success of companies engaged in business-to business Electronic Commerce. Business procurement has emerged as the key driver of this B2B revolution.

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