

E-commerce Website For Selling Furniture

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CERTIFICATION OF APPROVAL

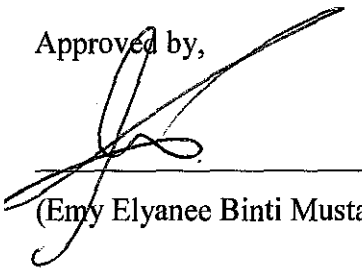
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Mohd Faizal Bin Mohamad Alias

A project dissertation submitted to the
Business Information System Programme
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in partial fulfillment of the requirement for the
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Approved by,

A handwritten signature in black ink, appearing to be 'Emy Elyanee Binti Mustafa', written over a horizontal line.

(Emy Elyanee Binti Mustafa)

UNIVERSITI TEKNOLOGI PETRONAS

TRONOH, PERAK

November 2007

CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.



MOHD FAIZAL BIN MOHAMAD ALIAS

ABSTRACT

This project is about developing a website capable of making sales, providing good designs and graphics, simple navigational systems, and packed with information about the furniture that the company has to offer.

Based on the observation and interview, the author found that the company, SMA Niaga Enterprise wanted to maximize more of their profit and wanted to reach larger scope of customers beyond Bangi within Malaysia area. Some customers express that they cannot reach the store and it is too far away. Some mentioned that the store only opens during limited time period of office hours and some said they do not have the time to just browse through the catalogs and products at the store. Therefore, the research will focus on the development of a furniture selling website within Malaysia territory, and the constraints and features a web site should have in order to support usability.

The project's problem statement is SMA Niaga does not have any website incorporated with their organization. But they wanted to maximize their sales and really wanted more Malaysian customers beyond Bangi region.

The objectives are to create and develop a website of the proposed system, to introduce a system that utilizes the technology of the Internet thus enhancing it to solve the problem of geographical limit, time constraints limits and wasting time and finally to cut down the boundaries between customers and seller, making them more reachable and receive news and updates faster than ever.

The research will be using the Phased Development Model in developing the website. The design process involved planning, analysis, design, implementation, prototype and testing.

After having results and discussions, the project will make a conclusion, by addressing and accomplishing all the problem statement and business objectives. The business system that has been developed will be ready for use by SMA Niaga for their business purposes.

ACKNOWLEDGEMENT

First and foremost, I would like to thank God, for without His blessing and divine power, this project would not be completed on time.

To my dearly beloved supervisor, Ms. Emy Elyanee, I would like to express my profound gratitude for being one of the friendliest and understanding lecturer I have ever met. The wisdom you have bestow on me will be cherish and remember, and will live on with me as a proof of your teaching.

To the helpful people that contributed to this project directly or indirectly, your unrelenting kindness is the future of the new world. Sabri Assa'ari, you grabbed my hand when I'm about to fall and I'm grateful for that. I wish the best of luck in your career, and may you be successful in all endeavor that you may take.

And last but not least, to my family, utmost gratitude for the never ending support. To my mother, who gives me neverending love and care. This project means a lot to me and I've learn so much in the process. Thank you all.

TABLE OF CONTENTS

ABSTRACT.....	i
LIST OF FIGURES.....	ii
CHAPTER 1 : INTRODUCTION.....	1
1.1 Background of Study.....	1
1.2 Problem Statement.....	1
1.3 Objectives and scope of study.....	2
CHAPTER 2 : LITERATURE REVIEW.....	3
CHAPTER 3: METHODOLOGY/PROJECT WORK.....	6
3.1 Overview.....	6
3.1.1 The Phased Development-based Model.....	7
3.1.2 Heuristic Evaluation Testing Method.....	10
3.2 Tools Selection.....	11
3.3 Analysis.....	12
3.3.1 Needs requirements.....	12
3.3.2 Review on Current Furniture Related Websites in Malaysia.....	13
3.4 Design.....	14
3.5 Prototype.....	29
3.6 Testing.....	29
CHAPTER 4: RESULTS AND DISCUSSION.....	31
4.1 Findings.....	31
4.2 Discussion.....	36
CHAPTER 5: CONCLUSIONS AND RECOMMENDATION.....	38
REFERENCES.....	39
APPENDICES	

LIST OF FIGURES

Figure 3.1	Graphical presentation of the Phased Development-based methodology used.
Figure 3.4.a	Web page Tree Diagram
Figure 3.4.b	Web page Schematic
Figure 3.4.b.i	Website flowchart
Figure 3.4.c	SMA Niaga web page (top portion of Home Page)
Figure 3.4.d	SMA Niaga web page (second portion of Home page)
Figure 3.4.e	SMA Niaga web page (third portion of Home page)

LIST OF TABLES

Table 3.3.2	The websites visited and the descriptions of usability problems found.
Table 3.6	Five-point rating scale for the severity of usability problems found by heuristic revaluation.
Table 3.7	Admin page

CHAPTER 1

INTRODUCTION

1.1 Background of Study

Business, home and other users utilize computers nowadays for internet access. Through the internet, society has access to information from all around the world at their own fingertips. According to Webopedia.com, Internet is a global network connecting millions of computers. More than 100 countries are linked into exchanges of data, news and opinions. For this project, the author would concentrate on how to provide information and make sales with the customers that visit the website. The company, known as SMA Niaga Enterprise is located in Bandar Baru Bangi, Selangor Darul Ehsan. The company business concentrate on distributing furnitures, interior design, carpentering and carpeting. The company uses manual operation for their distribution, using company's lorries, and promotional process, using flyers and banners. Their target market is currently the citizens of Bangi and planning to go beyond Bangi in the future within Malaysia.

1.2 Problem Statement

"There are many benefits of bringing your business to the Web. An e-commerce can offer personalized services, high quality customer services, and improved supply chain management."(Paul Deitel, Harvey Deitel and Tem R. Nieto, 2001, p71). The company, SMA Niaga does not have any website incorporated with their organization. But they wanted to maximize their sales and really wanted more Malaysian customers beyond Bangi region.

Some people missed the opportunities to attend special promotional event held by the company, due to the lack of news spread, and informing of changes made. The author is proposed to create and develop a website for the company to reach and satisfy a broader

range of customers. The company also proposed an online transaction where the customers can purchase the products online and have the products delivered to them in a timely manner.

1.3 Objectives and Scope of Study

After identifying the problems, the author would like to come up with a website that prioritize ease of usability and accompanied with good graphic design to promote users to buy products from the website, and make the website as an intermediary between the customer and the firm. The website will be a significant change for the organization because a lot of customers can be reached and sales can be done through a larger scope of customers in Malaysia.

The objectives of the research project are:

1. To create and develop a website of the proposed system.
2. To introduce a system that utilizes the technology of the Internet thus enhancing it to solve the problem of geographical limit, time constraints limits and wasting time.
3. To cut down the boundaries between customers and seller, making them more reachable and receive news and updates faster than ever.

From the objective stated above, the project has high relevancy to the problem and the scope of research is done focusing on making a website within the requirements of the company.

The author will also study on the elements and factors that will make a good website and how to reflect the company identity through the company's website.

CHAPTER 2

LITERATURE REVIEW

A website (or web site) is a collection of web pages, images, videos and other digital assets and hosted on a particular domain or sub domain on the World Wide Web. A web page is a document, typically written in HTML, that is almost always accessible via HTTP, a protocol that transfers information from the website's server to display in the user's web browser.

Operational denotes a working method or a philosophy that focuses principally on cause and effect of specific interest to a particular domain at a particular point in time. Kenneth C. Laudon and Carol Guercio Traver (2001) mentioned in their book that operational or functionality of a website depends on how a website work, load quickly and direct the user to the product it is selling. To make a website work efficiently and effectively making sales, the website needs to be organized, well designed, user friendly and informative.

Roger Black (1997) on the other hand wrote in his book Web Sites That Work, that design shouldn't be mere decoration; it must convey information. A reader should never have to plow through forest of buttons to get simple news and information. Content should come to the surface on every single level. He also writes that websites not confuse the viewer or they will never visit the site again. The site needs to be consistently designed, like the navigational tools and graphics need to look the same throughout the website.

The IKEA website contains about 12,000 products is the closest representation of the entire IKEA range. In 2005, IKEA reported over 275 million visitors to their website. It is a solid proof that a website represents the company itself, and if the customers were treated well, they will come again and use our products and services.

CEO W.G. "Mickey" Holliman said, "Sluggish economic activity has dampened demand for discretionary spending by many consumers. We counter this situation with fresh product offerings as well as promotions to keep our family of brands in the consumer's eye." St. Louis-based Furniture Brands International Inc. (NYSE:FBN) manufactures furniture under the Thomasville, Henredon, Drexel Heritage, Maitland-Smith, Broyhill and Lane brands. The internet business of selling furniture online needs new products from time to time with promotions and values to stay in the interest of the market.

More than 18 months after becoming a symbol of the sharp rise and spectacular fall of many pure-play e-commerce ventures, Furniture.com is poised to return from the dead. The site's new owners plan to lean heavily on existing furniture stores to help avoid the woes that beset the original site. Dozens of Better Business Bureau complaints poured in for missed or late deliveries when the filed for bankruptcy in November 2000. Furniture.com president Carl Prindle, who was executive vice president of the original company, told the E-Commerce Times that the brick-and-click features of the new site will set it apart from its incarnation and will produce different results. "The main difference is that we've partnered with two of the largest furniture retailers in the country," Prindle said, referring to Seaman's Furniture and Levitz Home Furnishings, the site's first two partners. "They provide marketing support and product for the site, and we can take advantage of their distribution capabilities." We can conclude that fast delivery or distribution is essential to satisfy customers and to maintain the company's reputation. And to reach that, going into an alliance with other furniture company can bring great benefits to both of them.

Furniture makers are far from the only bedeviled by gray-market sales, analysts said. Manufacturers of electronics, luxury handbags, jewelry and other goods often sell those items to distributors in the United States for higher prices than in other nations, only to find enterprising e-tailers selling the foreign items in the United States for less.

The internet has made it easier for consumers to find those cheaper items, said Robert K. Passikoff, president of Brand Keys, a New York-based consultancy. It is because the websites and other internet intermediaries are low cost and easily reach by the consumers throughout the world, hence they can change their items' prices low and compete competitively in the market.

Despite these troubled times for e-tailers, analysts predict that e-commerce winners will emerge when the shakeout's over. "Legitimate home furnishings Internet business models will emerge and prove that over time, you can make more money selling home furnishings over the internet" said Shelly Hale, a senior research analyst and a managing director at Banc of America Securities. "It will take time; furniture is not an easy category to crack", because furniture are tangible and consumers needs to be convinced that they are buying the right items. To convince consumers, they need to be feed with all the necessary information and in-depth details and ensure their buying process is safe and the items were delivered quickly and effectively on their door-step.

CHAPTER 3

METHODOLOGY/PROJECT WORK

3.1 Overview

An observation with question and answer session were done to gather data from the company. The author has analyzed the results to get the requirements regarding the content of the website. Author has also observed several local furniture selling websites to see whether those websites are good in providing user with effectiveness, efficiency and satisfaction while using the web. The criteria of usable web sites are collected from research paper and articles written by some web usability experts and compiled so that the author can apply them when developing web prototype.

3.2 The Phased Development-based Model

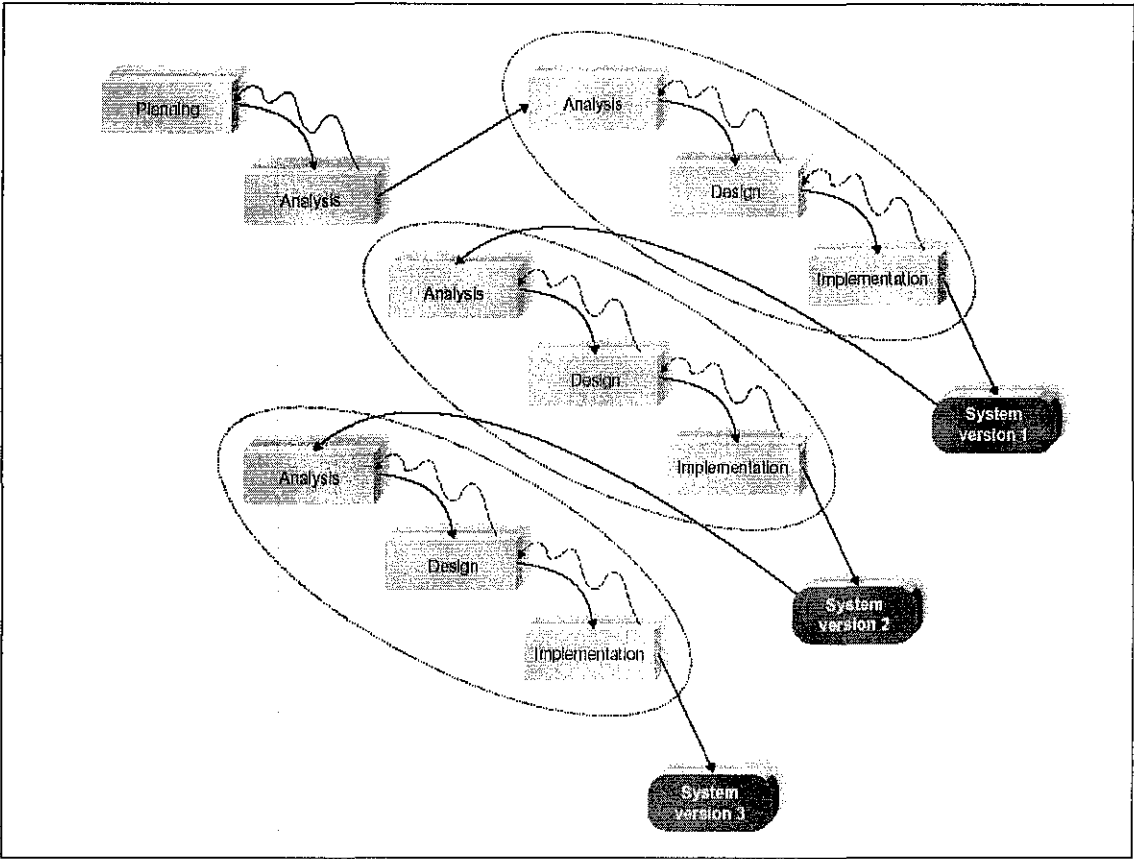


Figure 3.1 Graphical presentation of the Phased Development-based methodology used.

As described in Systems Analysis And Design written by Alan Dennis, Barbara Haley Wixom and David Tegarden, (2005), a Phased Development-based methodology breaks the overall system into a series of versions that are developed sequentially.

3.2.1 Planning

The project begins with the planning for the website. All the necessary information is acquired from the company, and we will also decide on what equipment and tools needed to make the system works smoothly and efficiently.

3.2.2 Analysis

The analysis phase identifies the overall system concept and then a series of version of websites that includes the analysis, design and implementation process.

3.2.2.1 Version 1

- **Analysis**

In depth analysis and refine is done for the previous analysis process.

- **Design**

Design process of the system. We will come out with the system blue-print to guide the building process.

- **Implementation**

Design process of the system. The implementation part will follow closely to the blue-print.

- **System**

Finally the first version of the system will be produced. The system will undergo a testing process using the Heuristic Evaluation Testing Method to determine whether it meets the business requirements and the business owner expectations. If it needs more additional features and tweaking, it will go through the analysis to implementation process again to create system version 2.

3.2.2.2 Version 2

- **Analysis**

In depth analysis and refine is done again based on the previous analysis process. Additional analysis is performed based on the previously identified requirements and combined with new ideas and issues that arose from the users' experience with version 1

- **Design**

Design process of the system. We will come out with the system blue-print to guide the building process based on the changes and updates needed from the analysis version 2.

- **Implementation**

Design process of the system. The implementation part will follow closely to the blue-print based on design process of version 2.

- **System**

Finally the second version of the system will be produced. The system will undergo a testing process using the Heuristic Evaluation Testing Method to determine whether it meets the business requirements and the business owner expectations. If it needs more additional features and tweaking, it will go through the analysis to implementation process again to create the final system version 3.

3.2.2.3 Version 3

- **Analysis**

In depth analysis and refine is done based on the previous analysis process.

- **Design**

Design process of the system. We will come out with the system blue-print to guide the building process based on the changes and updates needed from the analysis version 3.

- **Implementation**

Design process of the system. The implementation part will follow closely to the blue-print based on design process of version 3.

- **System**

The last and final version of the system will be produced. The system will undergo a final testing process using the Heuristic Evaluation Testing Method to determine whether it meets the business requirements and the business owner expectations. No more updates and changes will be made after this process.

3.3 Heuristic Evaluation Testing Method

The author will use heuristic evaluation technique in user testing. Heuristic evaluation (Nielson and Molich, 1990, Nielson 1994) is a usability engineering method for finding the usability problems in a user interface design so that they can be attended to as part of an iterative design process. Heuristic evaluation involves having a small set of evaluators examine the interface and judge it's compliance with recognized usability principles (the heuristics). Heuristic evaluation is well suited for the web because it can be easy, fast and inexpensive. Often the evaluators are specially trained usability specialists but the application developer can also use people with just an hour of training.

Overall, heuristic evaluation involves identifying heuristics, gathering opinions about the usability of the website, merging and rating the problems that were identified, and then trying to work toward solutions. The author will have the company owners, and other random internet users to test the website prototype using heuristic evaluation testing method. Refer to Appendix 1.1 for the usability heuristic guidelines.

3.4 Tools Selection

The author used Macromedia Dreamweaver MX 2004, a website building tool to design and build the web prototype. This software automatically generates the HTML code the web browser needs to display pages and its ease of use helps a lot in designing the web pages. As the project progresses, the author transfers the system into PHP format using the XAMPP software to allow more efficiency and additional features such as shopping cart function and database MySQL to allow data collection and management. It also supports object-oriented programming, PHP Data Objects extension, which defines a lightweight and consistent interface for accessing database, performance enhancement and better support for MySQL.

For the hardware, a standard personal computer using Windows XP, Intel Pentium 4 Processor, 128 MB Graphic card, 512 MB of RAM and 10 GB of hard disc capacity will be used, and also a hosting server to upload the website.

3.5 Analysis

3.5.1 Needs requirements

While identifying the needs to develop a web prototype that is improved in usability, the author studied the problems faced when navigating through the furniture website's users and in this case, the problems faced when navigating through travel web. This was accomplished through literature review and observation on local websites.

In identifying the user requirements for media mix, contents and features for furniture web, the author consulted the company owner for requirements and recommendations. We came up with a certain set of priorities for the furniture website.

The top priority will be the text feature. All text in the website should be clear and readable with suitable color that fits the background color. We mainly choose black color for the texts as it is the general color used on books, newspapers, other medias and websites generally.

The second priority would be the graphics of the websites. The sites need to be well colored, with soft and relaxing atmosphere. The product also needs to be depicted and presented well with sharp images and high resolution so that the customers can view the items and making them convinced to buy the products.

The final priority would be the transaction process that is needed by the website to transfer customers funds into the company. The user may have a selection of paying methods ranging from credit cards and even transfer payment through bank accounts.

3.5.2 Review on Current Furniture Related Websites in Malaysia

The author has done some research on the furniture market online in Malaysia and observed whether the websites met the user's needs of performing tasks and finding information that said to be available in the websites. The author navigated through these websites and found some problems regarding a failure to complete certain tasks. The website's URL address of the page visited and the descriptions of usability problems are stated in Figure 3.3.2.

Websites URL	Problem Descriptions
http://www.amalan.com	The website does not provide the user with any updated information. The products does not have any price, no sizes and measurements, no wood types and doesn't mention any method of payment.
http://perabotmajidee.com/	The website has problem regarding graphics. Some map pictures did not appear in the browser. Also the other pictures are in terrible state with hazy graphics and shady looks.
http://my.pagenation.com/kul/Kota%20Perabot%20Furniture_101.718_3.1421.map	The website is not well organized making reading throughout the web pages a terrible experience.
http://www.perabotmatang.com/	Many pages are still under construction and there are many dead links.
http://www.yixing.com.my/featured_products.php	Irritating moving texts disrupting the website experience.

http://www.mfpc.com.my/mfpc/index.asp	There are no product catalog available.
http://www.kinhengfurniture.com/	The graphic looks terrible and outdated.
http://www.domica.com/	The web pages takes too long to load.
http://www.one2furniture.com/	The site is not organized and it seems everything was crammed in into one web page.
www.hotfrog.com.my/Companies/Galeri-Perabot-Moden-Antik	The are very few products and hardly any graphics, products images and descriptions available.

Table 3.3.2 The websites visited and the descriptions of usability problems found.

3.6 Design

At this stage the user interface design concept is developed and the functionality of the prototype is worked out. In the course of developing web site architecture, the author created layout of a tree diagram (Figure 3.4.a - Web page Tree Diagram) and a page schematic (Figure 3.4.b – Web page Schematic) to illustrate the author's idea.

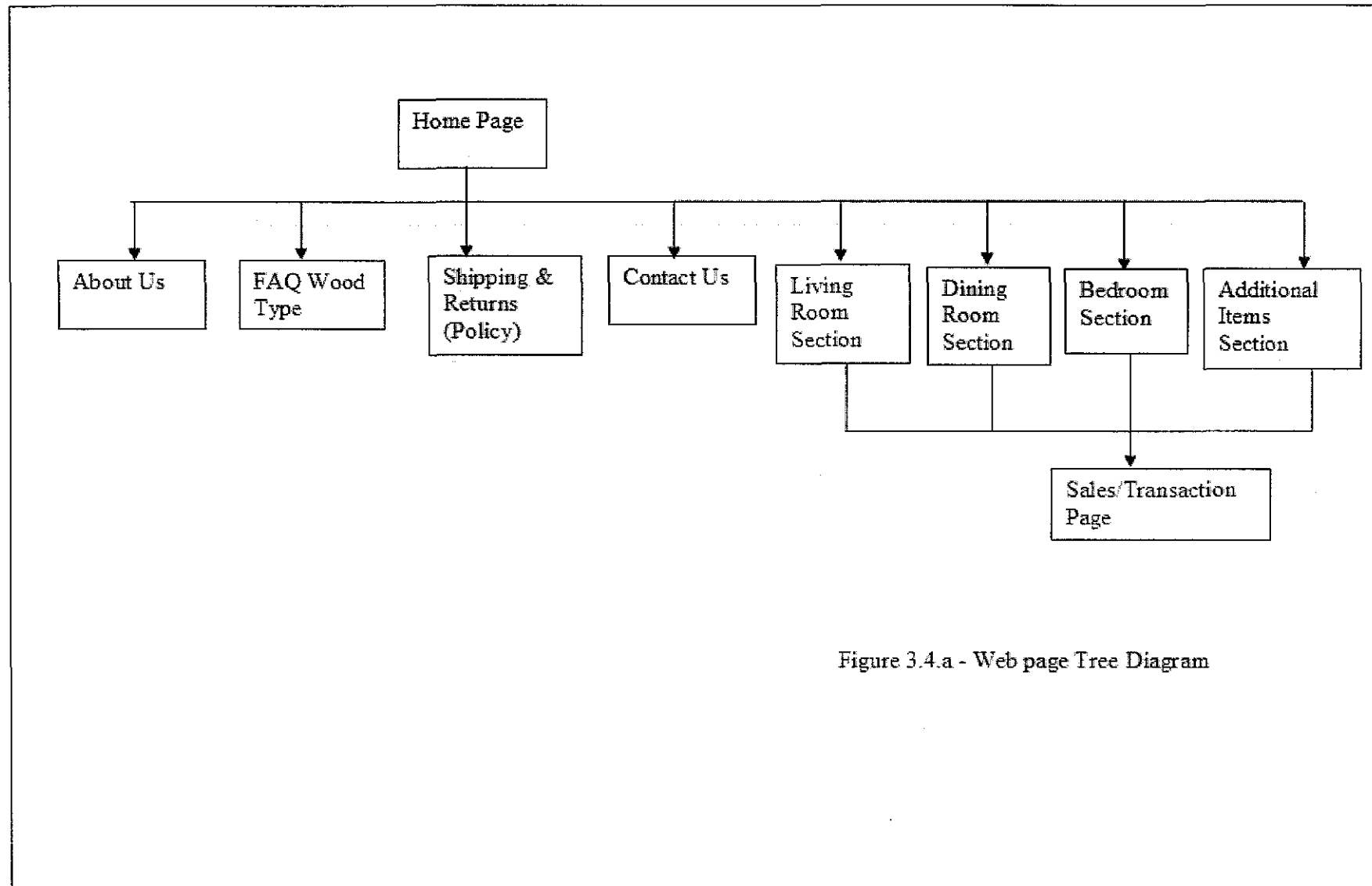


Figure 3.4.a - Web page Tree Diagram

SMA Niaga.com					
Home	Living Room Section	Dining Room Section	Bedroom Section	Additional Items Section	
Main Menu					
Home					New arrivals
About Us					
FAQ Wood Type links		Page Title			News and
Shipping & Returns		Content goes here.			Ads.
Contact Us					
Categories/sections					
Living Room					
Dining Room					
Bedroom					
Additional Items					
New Arrivals					
Best Sellers					
News and Links					
Copyright © 2007 SMA Niaga Enterprise All Rights Reserved					
Site Design Faizal Alias HTML version Software					

Figure 3.4.b – Web page Schematic

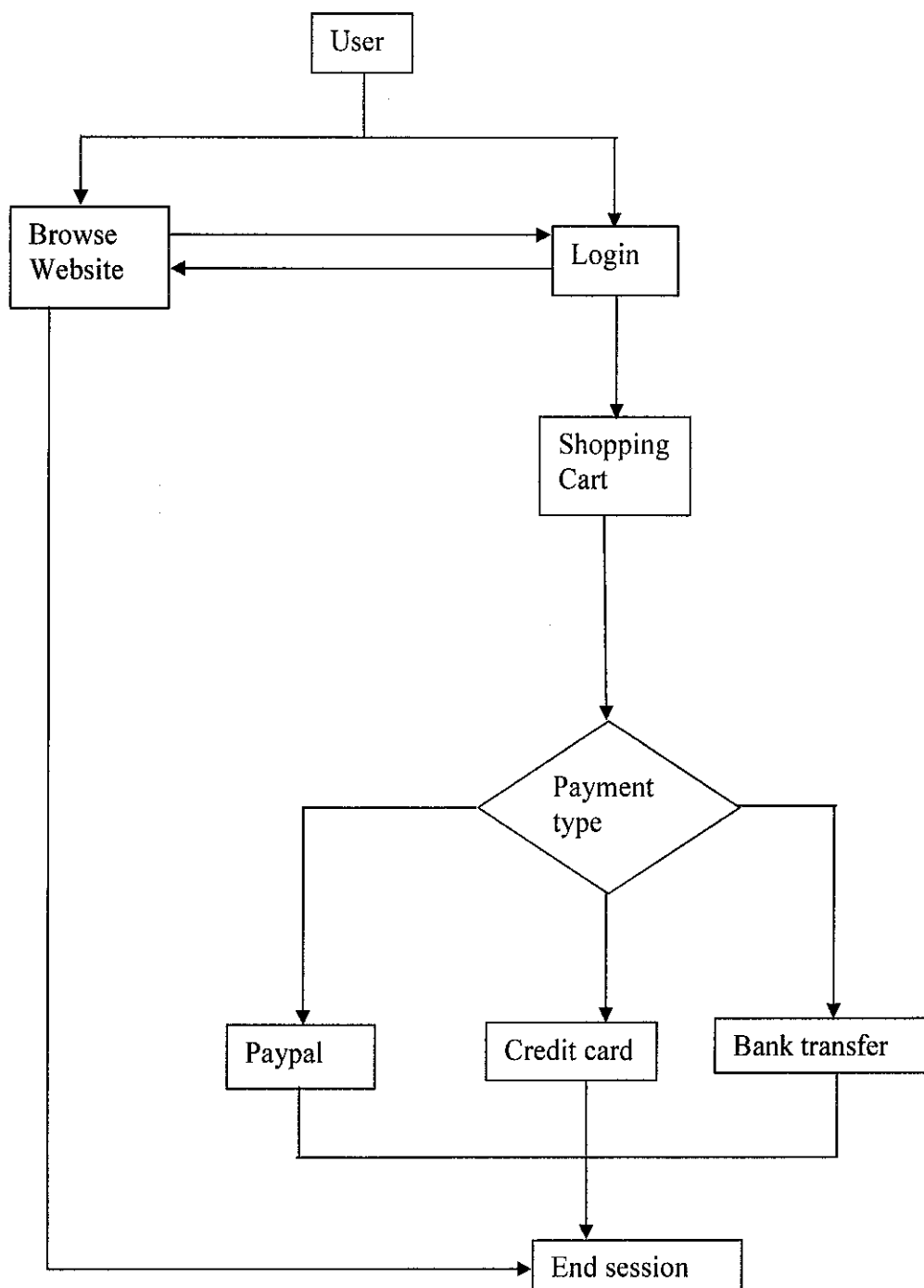


Figure 3.4.b.i – Website flowchart

Shown below are images taken from the prototype website that is still under development and enhancement.

The type of topology used is hierarchy (or tree). The hierarchy topology is chosen because it is common and well understood, allows relatively fast navigation from one page to another and easily expanded to support more information.



Figure 3.4.c – SMA Niaga web page (top portion of Home Page)

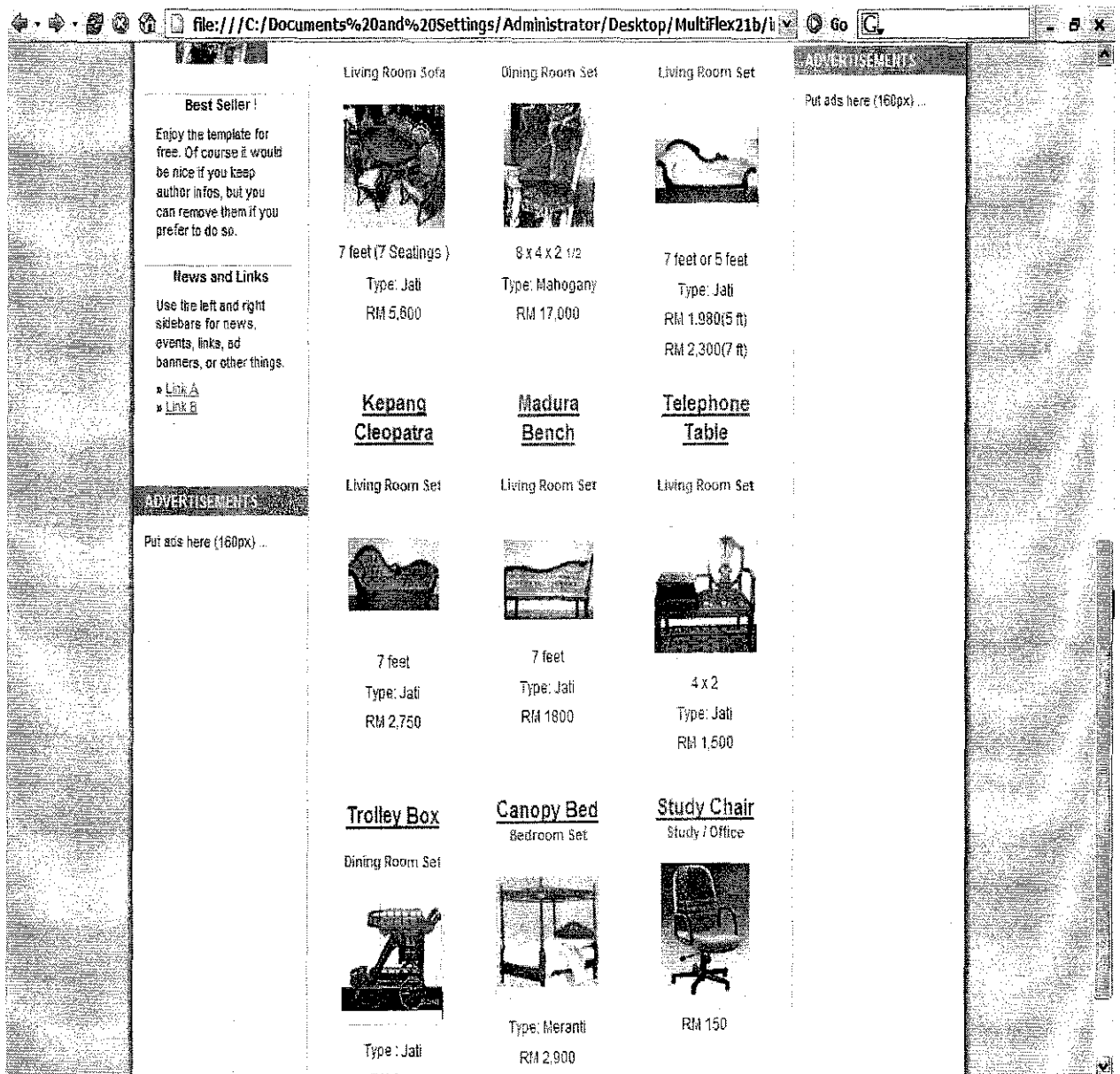


Figure 3.4.d – SMA Niaga web page (second portion of Home page)

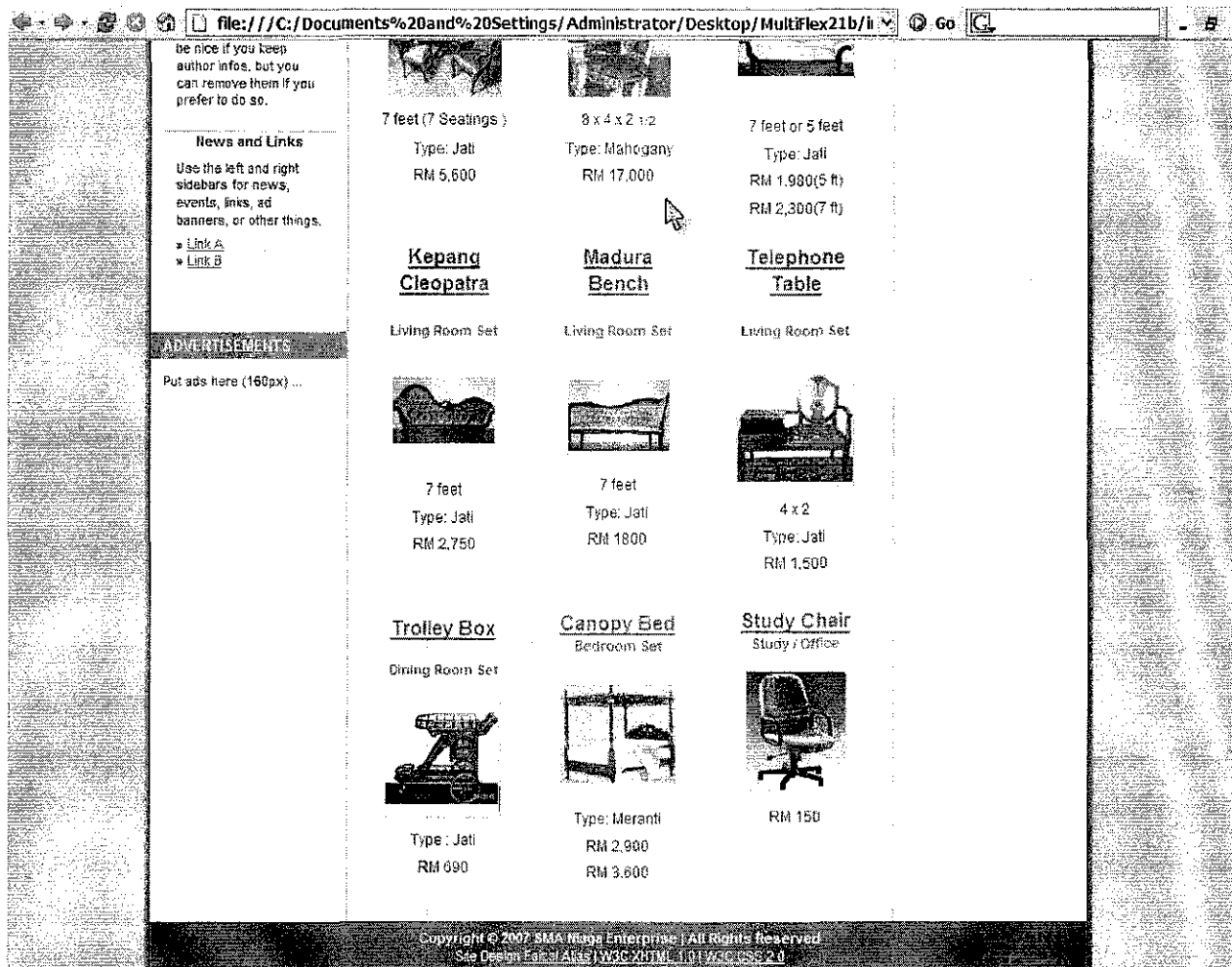


Figure 3.4.e — SMA Niaga web page (third portion of Home page)

As stated previously, we have changed our website from HTML to PHP format to ensure efficiency and support for MySQL database. The process of editing is decided to be due until next week and the system will be up and running for test process and finally will be released on the internet for full usability for the internet community.

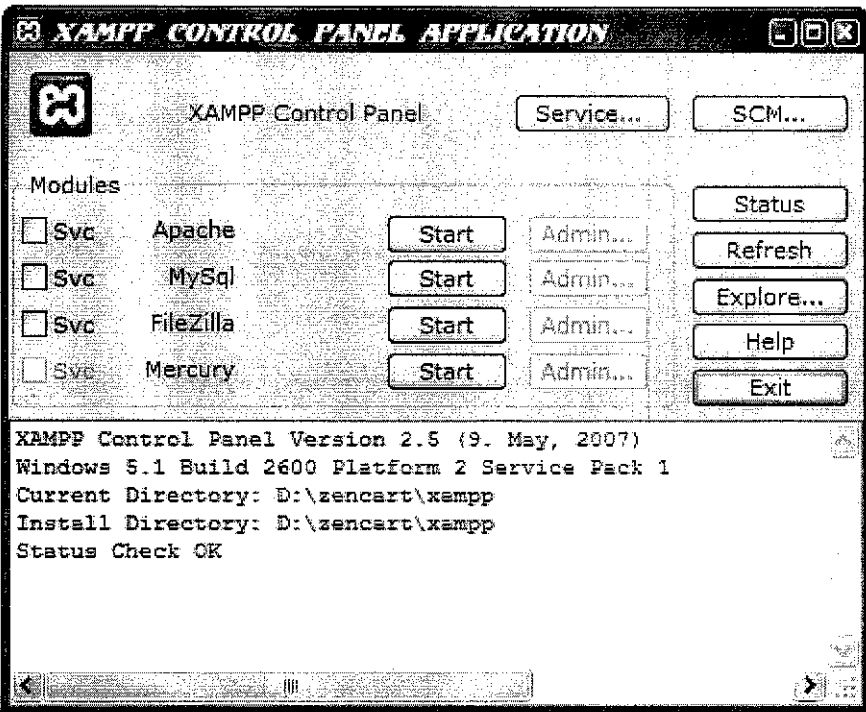


Figure 3.4f – SMA Niaga website using the XAMPP software.

Admin Login

Admin Username:

Admin Password:

Login

Resend Password

Figure 3.4g – SMA Niaga Admin Login page using PHP.



Figure 3.4h – SMA Niaga webpage using PHP.

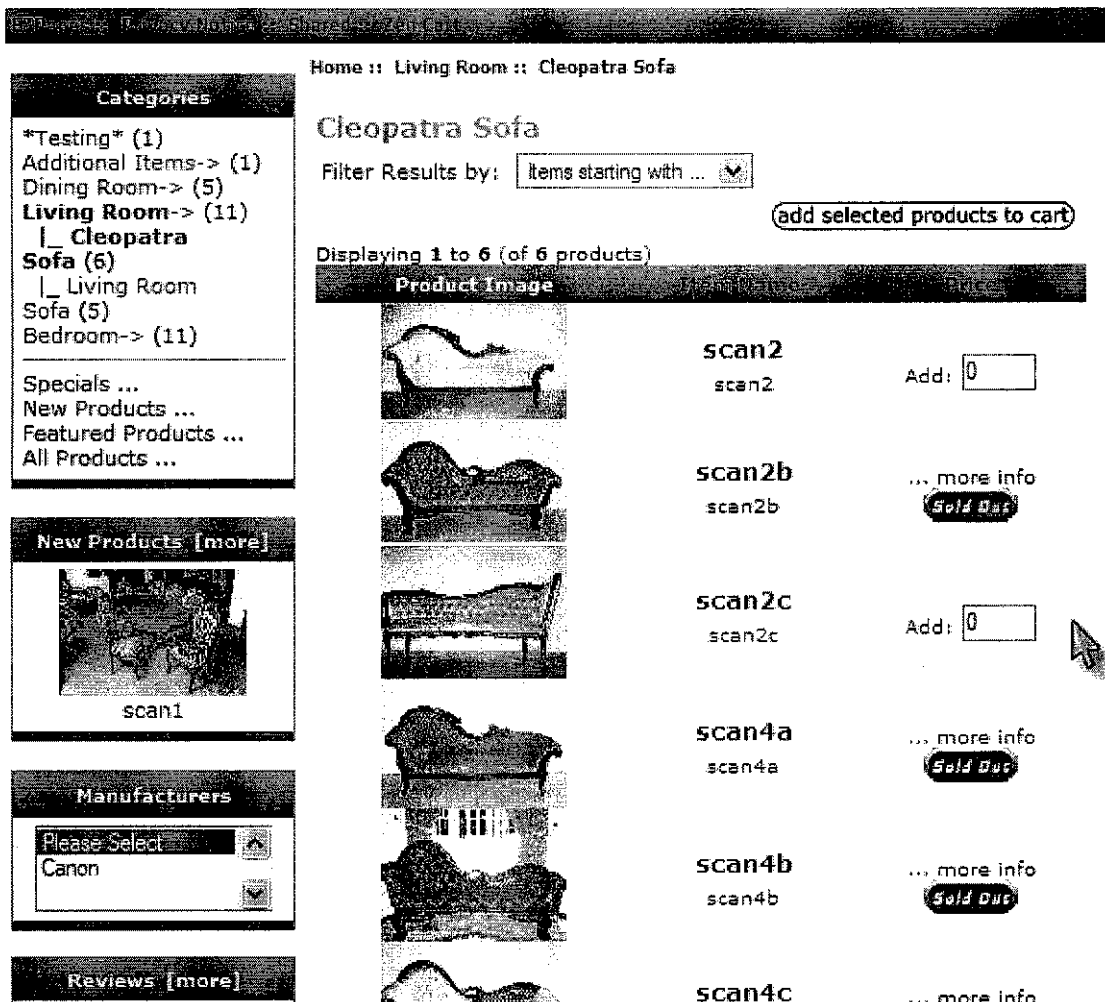


Figure 3.4i – SMA Niaga webpage using PHP.

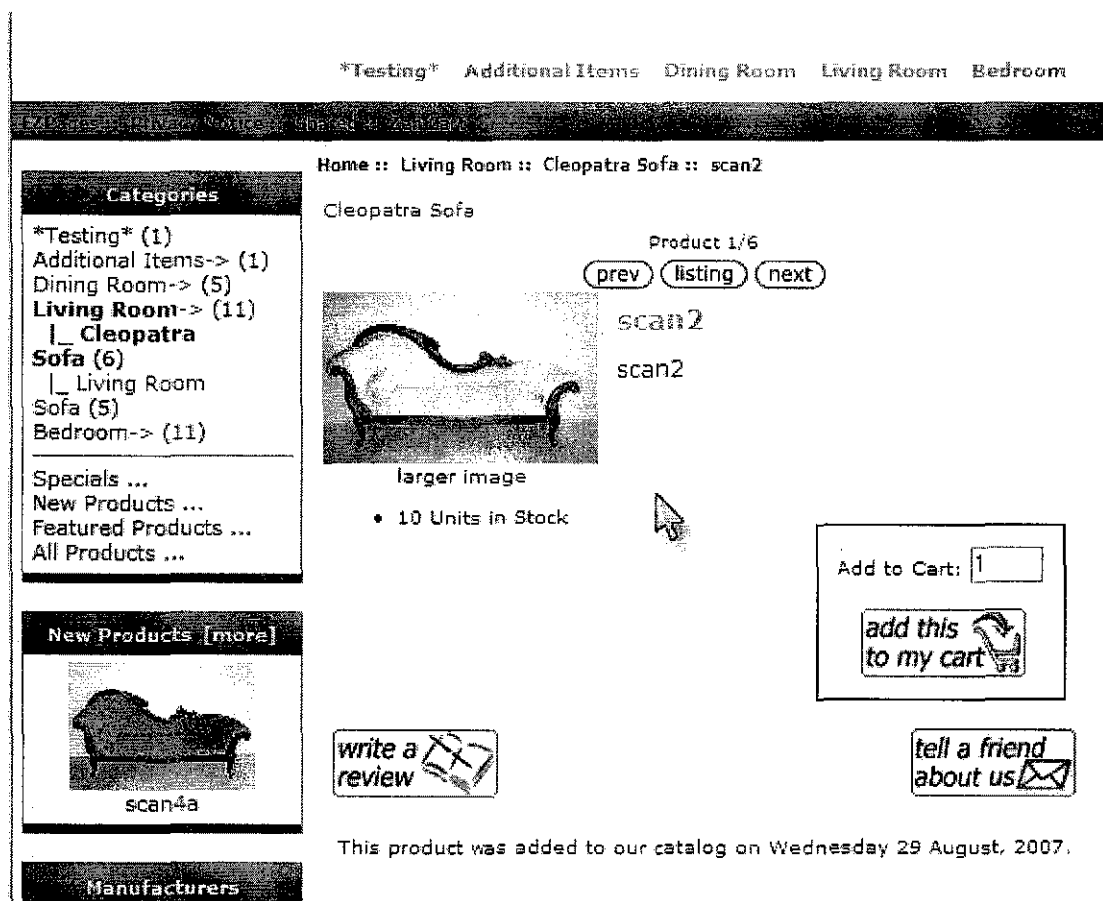


Figure 3.4j – SMA Niaga webpage using PHP.



XAMPP for Windows

En
Po

XAMPP
[PHP: 5.2.3]
Welcome
Status
Security
Documentation
Components
phpinfo()

Demos
CD Collection
Biorhythm
Instant Art
Flash Art
Phone Book
Excel Writer
ADODB

Tools
phpMyAdmin
Webalizer
PHP Switch
Mercury Mail

Welcome to XAMPP for Windows Version 1.6.
Congratulations:
You have successfully installed XAMPP on this system!

Now you can start using Apache and Co. You should first try »
For OpenSSL support please use the test certificate with [https](#)
And most importantly, a big thanks for help and support to Cai
XAMPP!

Good luck, Kay Vogelgesang + Kai 'Oswald' Seidler

Figure 3.4k – SMA Niaga webpage powered by XAMPP.

Query results operations

Print view

Print view (with full texts)

Export

Show: 30

row(s) starting from record # 0

in horizontal

mode and repeat headers after 100

cells

Sort by key: None

Go

	customers_id	customers_gender	customers_firstname	customers_lastname
<input type="checkbox"/>	1	m	Bill	Smith
<input type="checkbox"/>	2	m	Doc Mat	Prof

Check All / Uncheck All

With selected:

Show: 30

row(s) starting from record # 0

in horizontal

mode and repeat headers after 100

cells

Figure 3.4l – SMA Niaga phpMyAdmin using XAMPP.

Based on www.webmatters.co.nz (2007), good website usability is about good web design practices. It is making sure that visitors don't leave the website before it has fully loaded because it is taking too long, that they can navigate their way around the site, that they can find the information they are looking for, they know what you do, and they can contact you easily. The author has studied on how to create a website that works and contains usability criteria. The website's design will include these basic elements to make user quickly get used to the page's contents.

Consistency in Design & Navigation

We will maintain a consistent design throughout the website. It is fine to change areas of the design such as images or color swatches, but at no time should a visitor think they have actually gone to a different website. With navigation systems we will make sure that we keep the same primary navigation (top level) system in the same place throughout the site, no one should ever go looking for our top level website links.

Currently we will be using green color template as the theme and it will be similar on all the pages to promote consistency.

Other Navigation Issues

*** Text Navigation**

We will ensure there is a text only version of our primary navigation system (our main menu). This ensures that the majority of users can navigate around our website, and it makes it easier for search engines to follow the links so that all of our pages can be indexed.

*** Mystery Meat Navigation**

We will not be using 'mystery meat' navigation; because it is deemed pointless and definitely pretentious. When used to describe a navigation system, it means that there is no indication of where a link goes until we put our mouse over an image, as the image has a 'mouse over effect' and another image is displayed with the page name. Once we

take our mouse off the image it goes back to the original image (which is often something abstract). Usually, as soon as people take their mouse off the image they completely forget where the link was going.

*** Put main menu on the Left**

Most website users expect to see the main navigation system on the left hand side of the screen and we will continue to do so. It won't alienate anyone if placed on the right, but to be on the safe side, keep it to the left. With most languages we read from left to right, so we have become used to scanning a website from left to right.

Download Time

The top complaint regarding web sites is download speed. Even with the up take of broad band Internet, the vast majority of internet users are still on dial up connections of 56KB. With a 56KB modem a page that is 35KB in size will take approximately 5 seconds to completely download. A 15 to 20 second download wait is probably far too long for the average web user who is generally very impatient. Most usability experts recommend that a page is no larger than 50KB in size. This includes the file size of the actual html page and the images that are downloaded when it is displayed. Hence our files that are downloadable such as the catalog pictures should be restrain to below than 50KB.

Make sure text is readable

Do not use teeny tiny text for the main content. It's fine to use it for 'fine print' sections like disclaimers and copyright notices.

Generally most commercial web sites will use a white background and a dark gray or black text color for the text. There is a good reason for this – it makes a website easy to read.

With fonts, we will follow what most commercial sites do by sticking to a sans serif font like Verdana or Arial. These fonts are more legible on the screen. However, serif

fonts are more legible in print just like on normal newspapers. Probably the most usable combination online is a Verdana Size 2 font (around 12 pixels or 10 points).

Splash Pages

Splash pages are highly stylized opening pages to a website that usually have no or very little text on them. Splash pages are meant to be pretty but have no uses and many people find them rather annoying and hence would not be used on our e-commerce website. Splash pages also make it harder for our website to rank well on the search engines.

Horizontal Scrolling

We will make sure that our entire website can be seen horizontally without the need to scroll. Vertical scrolling is fine, and there is even some suggestion that longer pages work better than shorter and apparently more text sells more.

Sharp Image Quality

We will make sure the images look sharp and attractive and in high resolution. Poor image quality can mean a bad first impression.

Describe what you do

It is amazing how many times people can go to a website, read the first page, and still not be sure what the website is about. So we will spell it out loud and clear. Our visitors will appreciate this and it will also help with your keyword frequency for the search engines.

Site Map

Include a site map on our website to help with navigation. If our site is large (over 100 pages), then we should think about adding in a search function.

Underline links but nothing else

Most people know that underlined text on a website is a link. If we underline something that is not a link it will confuse and frustrate our visitors, so we would not underline texts with blue fonts as it can be mistaken for a link.

Make Contact Details obvious

If the purpose of our website is to have people contact us then make our contact details really obvious. We will be putting the administrator's email on the e-commerce website so that the visitors and customers can contact the person if there are any problems.

3.7 Prototype

Prototype stage is the stage to apply what is known based on analysis of web requirements, review on current furniture related websites and study of usability criteria. The prototype is developed page by page; starting from SMA Niaga home page, then proceeded to create top-level such as Living Room Section, Dining Room Section, Bedroom Section and Additional Items Section where each section provides their own specified products for sale.

3.8 Testing

In conducting the testing, the author has chosen 5 evaluators. The evaluators are given a Detailed, General-Purposed Checklist to be filled so that the author can analyze the results at the end of evaluation session. In the case when evaluators found any usability problems in the prototype, they were asked to rate the severity of the problems. The 0 to 4 rating scale shown in Table 3.6 was used for rating the severity of the usability problems in web prototype evaluation.

0 = I don't agree that this is a usability problem at all

1 = Cosmetic problem only : need not be fixed unless extra time is available on project

2 = Minor usability problem : fixing this should be given low priority

3 = Major usability problem : important to fix, so should be given high priority

4 = Usability catastrophe : imperative to fix this before product can be released

Table 3.6 Five-point rating scale for the severity of usability problems found by heuristic evaluation.

CHAPTER 4

RESULTS AND DISCUSSION

4.1 Findings

After undergoing a thorough research through the internet, it is a fact that most websites for furniture were too emphasized on the graphical design aspect and concentrated more on making their websites prettier by simply placing great animation and artistic icons. All the great graphics will be a waste if the site still cannot give the user the ability to browse catalogs provided with detailed information, making purchases, contacting the web administrator and also bringing comfortable and secured feelings when they are using the website.

We also found out that we can manage the e-commerce more effectively using PHP. It features phpMyAdmin which organize database easily and the XAMPP software is also a great because it provide changing function for the website and we can make changes through the admin control panel like adding radio buttons and links without dwelling with codes as much.

From a buyer's perspective, they need to go through 3 steps when buying the products.

The first step is to collect the delivery information from the customers. The customer's address, shipping or delivery method is specified. A "special instructions" or "comment" option is also included if the customer want to give instructions or comment.

Step 1 of 3 - Delivery Information

Shipping Information:

Khairul Anuar Bin
Khalid
31, Jalan Tanjung
Bidara, Bukit Beruntung,
Rawang, 48300
Selangor, Malaysia

change your
address

Your order will be shipped to the
address at the left or you may
change the shipping address by
clicking the *Change Address*
button.

Shipping Method:

Please select the preferred shipping method to use on this order.

Flat Rate	
<input checked="" type="radio"/> Best Way	\$5.00
Per Item	
<input type="radio"/> Best Way	\$2.50
Store Pickup	
<input type="radio"/> Walk In	\$0.00
Special Instructions or Comments About Your Order	
<div>Please take good care of the item</div>	

Continue to Step 2
- choose your payment method.

continue
checkout →

The second step is to determine the customer’s payment method.

Home :: Checkout - Step 1 :: Payment Method - Step 2

Step 2 of 3 - Payment Information

Billing Address:

Khairul Anuar Bin
Khalid
31, Jalan Tanjung
Bidara, Bukit Beruntung,
Rawang, 48300
Selangor, Malaysia

[change your
address](#)

Your billing address is shown to the left. The billing address should match the address on your credit card statement. You can change the billing address by clicking the *Change Address* button.

Your Total

Sub-Total: \$2,750.00
Flat Rate (Best Way): \$5.00
Total: \$2,755.00

Discount Coupon

Please type your coupon code into the box next to Redemption Code. Your coupon will be applied to the total and reflected in your cart after you click continue.

Please note: you may only use one coupon per order.

Redemption
Code

Payment Method

Please select a payment method for this order.

☐ **Credit Card**

Card Owner's Name:

Khairul Anuar Bin Khalid

Card Number:

Expiration Date:

January



2007



☐ **Check/Money Order**

☒ **Paypal IPN**

Special Instructions or Order Comments

Please take good care of the item

Continue to Step 3

- to confirm your order.

continue
checkout 

The third step, is the order confirmation step. Here they will check again all details and when satisfied, they will need to click the confirm button below.

Home :: Checkout :: Confirmation

Step 3 of 3 - Order Confirmation

Billing/Payment Information

Khairul Anuar Bin Khalid
31, Jalan Tanjung
Bidara, Bukit Beruntung,
Rawang, 48300
Selangor, Malaysia

Payment Method:
Paypal IPN

Delivery/Shipping Information

Khairul Anuar Bin Khalid
31, Jalan Tanjung
Bidara, Bukit Beruntung,
Rawang, 48300
Selangor, Malaysia

Shipping Method:
Flat Rate (Best Way)

Special Instructions or Order Comments

Please take good care of the item

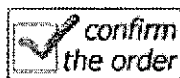
Shopping Cart Contents

<input type="button" value="edit"/>		
Qty.	Item Name	Total
1 x	Cleopatra Kepang	\$2,750.00

Sub-Total: \$2,750.00
Flat Rate (Best Way): \$5.00
Total: \$2,755.00

Final Step

- continue to confirm your order. Thank you!



4.2 Discussion

Usability and practicality is more important than pretty graphics when developing a web site. The graphics should be a second priority compared to the effectiveness and efficiency of the website, giving satisfaction and promote trust to the customers.

Whenever a user wanted to search something they used a search engine, ranging between Yahoo and Google engine at best. They would enter a keyword and the search engine displays among thousands and millions of results. The user had to navigate through one link to another to get what they want because on the internet there were many broken links, error images, outdated information, unreadable texts and other kinds of usability problems. Finally, the user didn't get to perform his task due to time limitation and cannot bear to do repetitive and exhaustive process all over again.

Web developers should create websites that are easy to use, organized and easy to read without wasting costs and energy. They should also need to be secured when doing transactions by having secured channels for doing sales to transfer their funds for example like Paypal.

Referring back to the problem statement, the e-commerce can now offer personalized services, high quality customer services, and improved supply chain management. The company, can maximize their sales more and reach more Malaysian customers beyond Bangi region. Special promotional event held by the company and updates can be spread. The online transaction where the customers can purchase the products online also saves a lot of energy and time and have the products delivered to them in a timely manner.

Back to the business objectives, the author has create and develop a website of the proposed system. A lot of negotiations and changes were made during the process and finally the author reached an agreement and compromisation.

The author has introduce a system that utilizes the technology of the Internet thus enhancing it to solve the problem of geographical limit, time constraints limits and wasting time. The system is using the latest PHP advance software called Zen-Cart which supports phpMyAdmin and MySQL. The site on the internet breaks all boundaries of geographical location and time.

Wed, 26 Sep 2007 04:05:36 +0000GMT [202.165.22.29]			
Configuration	Catalog	Modules	Customers
Locations / Taxes	Localization	Reports	

Hit Counter Started:	09/25/2007	Khairul Anuar Bin Khalid	09/25/2007
Hit Counter:	74		
Customers:	1		
Products:	9	09/26/2007	4 - 21
Products deactivated:	0	09/25/2007	10 - 53
Reviews:	1		
Reviews Pending Approval:	1		
Newsletter subscribers:	0		

Table 3.7 Admin page showing how many visitors that visits the site on the day of it’s establishment.

And finally, the author has address the limitation and boundaries between customers and seller, making them more reachable and receive news and updates faster than ever. The system supports newsletter and the customers can be informed through their emails about news and updates of SMA Niaga Enterprise.

CHAPTER 5

CONCLUSIONS AND RECOMMENDATION

This project is about developing a website capable of making sales, providing good designs and graphics, simple navigational systems, and packed with information about the furniture that the company has to offer.

The observation and research on other existing furniture websites had generated some ideas of the way to improve the existing web features. The upper hand help and support from the company owner also help tremendously in getting the project into the right direction.

The usability heuristic will be used to develop suitable web site that will emphasize on usability aspects and the heuristic evaluation is used to find minor and major problems with the prototype website. Hence, the problems can be fixed before the website is uploaded to web hosting and registered with a domain name.

The system has met all the objectives of the business and also has accomplish it's needs and requirements.

As a conclusion, the basic success of a website is to have a clear plan with effective execution method and testing to give customers and users the best experience they can get by visiting our website.

By addressing and accomplishing all the problem statement and business objectives, the business system that has been developed is ready for use by SMA Niaga for their business purposes.

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REFERENCES

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6. <http://perabotmajidee.com/>
7. http://www.yixing.com.my/featured_products.php
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11. <http://www.kinhengfurniture.com/>
12. <http://www.one2furniture.com/>
13. Webopedia, <http://www.webopedia.com/TERM/I/internet.html>
14. www.hotfrog.com.my/Companies/Galeri-Perabot-Moden-Antik
15. <http://www.webmatters.co.nz/website-design-guide/wd-website-usability.html>
16. <http://ecommerce-journal.com/node/332>
17. http://www.bizjournals.com/stlouis/stories/2007/07/30/daily45.html?jst=s_cn_hl
18. http://www.bizjournals.com/stlouis/stories/2007/07/02/daily41.html?jst=s_cn_hl
19. www.ecommercetimes.com/story/17260.html
20. http://topics.nytimes.com/top/news/business/small_business/ecommerce/index.html?query=FURNITURE&field=des&match=exact
21. http://findarticles.com/p/articles/mi_hb4360/is_200006/

APPENDICES

TEN USABILITY HEURISTICS

1. **Visibility of system status**

The system should always keep users informed about what is going on, through appropriate feedback within reasonable time.

2. **Match between system and the real world**

The system should speak the users' language, with words, phrases and concepts familiar to the user, rather than system-oriented terms. Follow real-world conventions, making information appear in a natural and logical order.

3. **User control and freedom**

Users often choose system functions by mistake and will need a clearly marked "emergency exit" to leave the unwanted state without having to go through an extended dialogue. Support undo and redo.

4. **Consistency and standards**

Users should not have to wonder whether different words, situations, or actions mean the same thing. Follow platform conventions.

5. **Error prevention**

Even better than good error messages is a careful design which prevents a problem from occurring in the first place. Either eliminate error-prone conditions or check for them and present users with a confirmation option before they commit to the action.

6. **Recognition rather than recall**

Minimize the user's memory load by making objects, actions, and options visible. The user should not have to remember information from one part of the dialogue to another. Instructions for use of the system should be visible or easily retrievable whenever appropriate.

7. **Flexibility and efficiency of use**

Accelerators -- unseen by the novice user -- may often speed up the interaction for the expert user such that the system can cater to both inexperienced and experienced users. Allow users to tailor frequent actions.

8. Aesthetic and minimalist design

Dialogues should not contain information which is irrelevant or rarely needed. Every extra unit of information in a dialogue competes with the relevant units of information and diminishes their relative visibility.

9. Help users recognize, diagnose, and recover from errors

Error messages should be expressed in plain language (no codes), precisely indicate the problem, and constructively suggest a solution.

10. Help and documentation

Even though it is better if the system can be used without documentation, it may be necessary to provide help and documentation. Any such information should be easy to search, focused on the user's task, list concrete steps to be carried out, and not be too large.

Appendix 1.1

Revised set of usability heuristic from a factor analysis of 249 usability problems

(Nielson 1994c)(Source : Nielson and L. Mack, 1994 Usability Inspection Methods, p.30 & http://www.useit.com/papers/heuristic/heuristic_list.html)

The SMA Niaga Catalogue

SMA Niaga furniture catalog and prices.

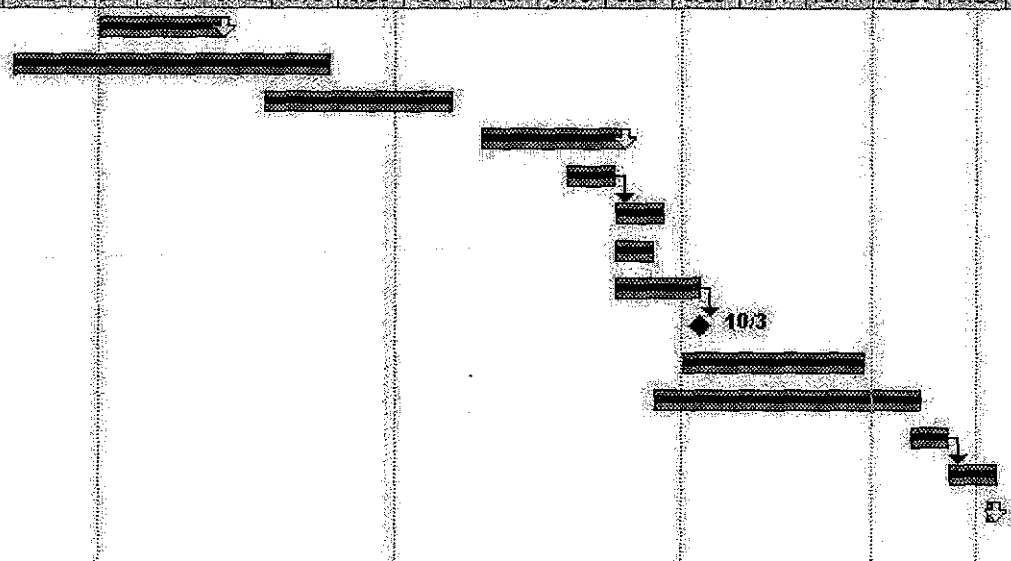
1	Da VinCi	Mahogany	6 chairs , 8x4x2 1/2	RM 17,000
2	Cleopatra Louis	Teak	7 or 5 feet	RM 1,980
3	Cleopatra Kepang	Teak	7 or 5 feet	RM 1,980
4	Cleopatra Madura Bench	Teak	7 or 5 feet	RM 2,750
5	Monaco Sofa Set	Teak	7 or 5 feet	RM 6,900
6	Telephone Table	Teak		RM 1,000
7	Trolley Box	Teak		RM 6,900
8	Canopy Bed	Teak	Queen size (5x6)	
		Teak	King size (6x6)	RM 4,500
		Teak	Single size(3 1/2x6)	RM 2,900
9	Bed with 4 pillars	Teak	Queen size(5x6)	RM 3,800
		Teak	King size(6x6)	RM 4,200
10	Bed with 4 pillars	Teak	Queen size(5x6)	RM 2,300
11	Tower Rail	Teak		RM 150
12	Tower Rail (779)	Teak		RM 250
13	Magazine Rack (834)	Teak		RM 199
14	Magazine Rack (HK718)	Teak		RM 499
15	Tower Rail (776)	Teak		RM 150
16	Wall Rack Drawer (723)	Teak		RM 680
17	Wall Rack (729)	Teak		RM 499

18	Canopy Bed	Meranti	King size (6x6)	RM 3,600
		Meranti	Queen size	RM 2,900
19	Console Table	Teak	3 Drawers (135x43x76)	RM 560
		Teak	2 Drawers (106x43x76)	RM 480
20	Grandfather Clock	Teak	4x6 1/2x2 1/2	RM 1,980
21	Office Chairs	As stated	Standard	As stated
22	Office Chairs	As stated	Standard	As stated
23	Francisca Teras Set	Teak	Table 2ft (2+1)	RM 1,580
24	Monaco Teras Set	Teak	Table 2ft (2+1)	RM 1,780
25	Betawi	Teak	Big	RM 2,100
26	Holy Book Box		Standard	RM 140
27	Rehal	Teak	Standard	RM 98
28	Selendang Baru Sofa Set	Teak	(3+2+1+1)+2.1.1	RM 6,900
29	June Sofa Set Keranjang	Teak	With embedded flower design	RM 3,200
30	June Sofa Set Keranjang	Teak	2+1+1	RM 2,900
31	Stella Set	Teak		RM 2,900
32	Teras Anggun	Teak	Big	RM 750
		Teak	Small	RM 450
33	Mirror with Grape Deco	Teak	3x2	RM 230
34	Yacht Model	Teak	Big 2x2	RM120
		Teak	Medium 1 ½ x 1 ½	RM80
		Teak	Small 1 x 1 ¾	RM 70
35	Trolley with Round Top	Teak		RM 980

36	Sketsel Ayat	Teak	6 feet	RM 3,600
37		Teak	5 feet	RM 2,900
38	Canopy Bed	Meranti	King size (6x6)	RM 3,600
		Meranti	Queen size	RM 2,900
39	Bufet TV (Horse)	Teak	6 x 2	RM 3,200
40	TV Stand D	Teak	6x7x2	RM 1,300
41	Book Rack	Teak	44.5x15.5x77(inch)	RM 2,300
42	Corner Cupboard(Inlay)	Teak	Standard	RM 2,300
43	Corner Cupboard(carving)	Teak	Standard	RM 2,300
44	PPO Cupboard	Teak	4x2x6 + 3 drawer	RM 2,800
45	Komodo Cupboard	Teak	4x2x6	RM 2,800
46	Solena Dining Set	Mahogany	6 chairs, Standard	RM 4,800
47	Low Boy Kenny	Teak	Small 90cmx43cmx80cm	RM 980
		Teak	Big (Order)	RM 1,400
48	Sofa Perahu	Teak	Big 5 feet	RM 850
		Teak	Small 3 feet	RM 750
49	Kendong	Teak	Standard	RM 1,980
50	Cumi Cumi	Teak	50cm, diameter 30cm	RM 290
51	Shanghai Pot	Teak	Small 70cmx diameter 30cm	RM390
		Teak	Big 85cm,diameter 30cm	RM 450
52	Barley Stand	Teak	Small 11.5inchx40inch	RM 168
53	Angking Table	Teak	Height=60cmxdiameter 44cm	RM 278
54	Corner Rack	Teak	22inchx17inchx63inch	RM 558

Appendix 1.2 Current products offered by SMA Niaga.

	i	Task Name	Duration	August							September				October				November
				7/15	7/22	7/29	8/5	8/12	8/19	8/26	9/2	9/9	9/16	9/23	9/30	10/7	10/14	10/21	10/28
1	✓	Progress Report 1 Preparation & Submission	9 days																
2	✓	Code Sequential Program	26 days																
3	✓	Code Parallel Program	15 days																
4	✓	Progress Report 2 Preparation & Submission	11 days																
5	✓	Seminar Preparation	3 days																
6	✓	Seminar Presentation	5 days																
7	✓	Final Report Preparation & Submission	4 days																
8	✓	Pre EDX Preparation	7 days																
9	✓	Pre EDX	1 day																
10	✓	Integrate Exception Handling Elements	15 days																
11	✓	Program Testing	20 days																
12	✓	Final Presentation Preparation	2 days																
13	✓	Final Presentation	5 days																
14	✓	Dissertation Submission	1 day																



BIODATA

BUTIR-BUTIR DIRI

NAMA : Hj. Shamsudin bin Hj.Ahmad

ALAMAT : No. 24, Jalan Surada 1, Desa Surada,
Sungai Ramal Dalam, 43000 KAJANG,
Selangor Darul Ehsan.

TELEFON : 03 – 89269315 (Rum)
03 – 82100199 (Pej.)
012 – 3153511 (H/P)

TARIKH LAHIR : 03 Julai 1957

TEMPAT LAHIR : Melaka Tengah

KERAKYATAN : Malaysia

NO. KAD PENGENALAN : 570703 – 04 – 5577 (5207048)

TARAF PERKAHWINAN : Berkahwin

PENDIDIKAN

1987 – 1990 : Universiti Teknologi Malaysia, Skudai, Johor.

1978 – 1981 : Maktab Perguruan Teknik, Bandar Tun Razak,
Kuala Lumpur.

1974 – 1975 : Sekolah Menengah Teknik, Johor Bahru, Johor.

1970 – 1973 : Sekolah Menengah Rendah Tampoi, Tampoi,
Johor Bahru, Johor.

1968 – 1969 : Sekolah Kebangsaan Bukit Senyum, Johor Bahru.

1964 – 1967 : Sekolah Kebangsaan Kubu, Melaka Tengah.

KELAYAKAN AKADEMIK

Sarjana Muda Teknologi Serta Pendidikan (Kejuruteraan Awam)
Universiti Teknologi Malaysia, Skudai, Johor.

Diploma Pendidikan Teknik (Binaan Bangunan)
Maktab Perguruan Teknik, Bandar Tun Razak, Kuala Lumpur.

ANUGERAH KHAS

Pingat Emas Pelajar Terbaik Keseluruhan MPT 1980/81

PENGALAMAN BEKERJA

- Jun 1999 – Sekarang : Memiliki Perniagaan - SMA Niaga Enterprise
- Julai 1997 – Disember 2003 : Pengarah Projek - Armada Marien Services Sdn. Bhd.
- Disember 1998 – Jun 1999 : Pengurus Besar
Pishal Holding Sdn. Bhd.
Bandar Baru Bangi, Selangor D.E.
- April 1998 – November 1998 : Senior Operation Manager
Lii Hen Furnitures Sdn. Bhd..
Bukit Pasir, Muar, Johor.
- November 1994 – Jun 1997 : Pengurus Projek
Fizwah Pembinaan Sdn. Bhd., Seremban.
Reka Management Sdn. Bhd., Seremban
Introscape Sdn. Bhd., Seremban
Tekun Sejahtera Sdn. Bhd., Seremban.
- Mei 1990 – Oktober 1994 : Pensyarah Maktab Perguruan Teknik,
Bandar Tun Razak, Kuala Lumpur.
Pengkhususan Dalam Bidang:
- Teknologi Bangunan
- Binaan Bangunan
- Lukisan Kejuruteraan Awam
- Pengurusan Projek
- Teknologi Ferro Cement
- Kerja Kayu Dan Tanggam
- Batu-Bata dan Konkrit
- Plaster Craft/Ceiling
- Tiling and Flooring
- Januari 1981 – Julai 1987 : a. Sekolah Menengah Vokasional, Kluang, Johor.
b. Sekolah Menengah Vokasional, Seremban.
- Matapelajaran Khusus:
- Kerja Kayu dan Tanggam
- Kerja Bata dan Konkrit
- Lukisan Kejuruteraan Awam
- Building Teknologi
- Januari 1976 – Mei 1978 : Guru Sementara/Sandaran
- Methodist Boy's School, Jalan Davis, Kuala Lumpur.
- Kajang High School, Kajang, Selangor.

- Sek. Kebangsaan Orang Asli, Sg. Melut, Dengkil, Selangor D.E.
- Sek. Kebangsaan Jln. Low Ti Kok, Kajang, Selangor D.E.

SUS-KURSUS

- 1992 – November 1992 : Carrington Polytechnic, Auckland, New Zealand.
- Tiling and Flooring
- Hutt Valley Polytechnic, Petoni, New Zealand.
- Plaster Craft
 - Ferro Cement Technology

SMA NIAGA ENTERPRISE

Kontraktor Binaan PPK Kelas F dan G2/Banjarbaru
Jember, Jember

(Hj. Shamsudin Hj. Ahmad) (Mohd. Alias Omar) (Razib Ramli)
Bsc. Tech. Edu. (Civil Engineer)

SMA BINAAN ENTERPRISE



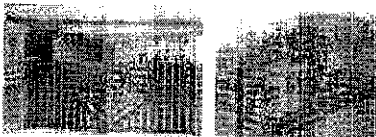
Binaan Bangunan
(Project Management & Contract)

Gazabo

Pergola

Ubah-suai dan pembaikan - Building Service

PAGAR DAN PINTU KAYU

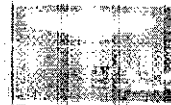


LANTAI

- ★ Lantai Kayu Padu :
 - Belian
 - Bitis
 - Balau / Resak
 - Jati (Myanmar)
 - Merbau
 - Kempas
- ★ Jubin Siramik
- ★ Marmar & Granite

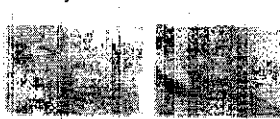
SILING

- ★ Plaster Craft
- ★ Timber Skirting & Cornices
- ★ Timber Ceiling



HIASAN TAMAN

- ★ Perabot Taman
- ★ Batu Alam
- ★ Kolam Ikan, Air
- ★ Terjun / Pancut



Kolam Ikan

KEDAI I

Lot 303-G, Complex Diamond
Bangi Business Park,
Jln. Medan Bangi Off Persiaran Bandar,
43650 Bandar Baru Bangi,
Selangor Darul Ehsan.
Tel/Fax: 03-82100199
H/P: 012-9156221 (Hassan Omar)

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No. 18, Jalan 7/1C, Seksyen 7,
43650 Bandar Baru Bangi,
Selangor Darul Ehsan.
Tel/Fax: 03-8925 7681
H/P: 016-9662506 (Syakila)
012-5634026 (Odi)

BENGKEL / WORKSHOP

No. C1-05 & C1-07, Jln. Kenari
12, Tmn. Sri Kenari, Sg. Chua,
43000 Kajang, Selangor D. E.
Tel/Fax: 03-87390377
H/P: 012-6540230
(Shahrul Fazley Sulaiman)

SMA NIAGA ENTERPRISE

Pembekal Dan Pemborong Perabot Jati Rahmatika II, Jepara, Perabot Meranti & Merbau
Pusat Perhubungan

(Hj. Shamsudin Hj. Ahmad) (Mohd. Alias Omar)
Bsc. Tech. Edu. (Civil Engineer)

SMA PERABOT JATI

Alah membeli, menang memakai



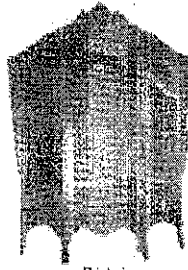
Set Sofa Tamu



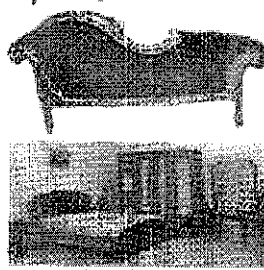
Perabot Kayu Meranti Seraya Batu



Jam

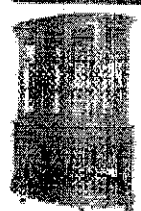


Bidai



Set Bilik Tidur

Perabot Kayu Merbau



PERABOT BINA-DALAN (Built-in Cabinet)

- ★ Kabinet Dapur
- ★ Almari Pakaian (Wardrobe)
- ★ Bahan-bahan
 - Nyatoh Ply
 - Melamin Chipboard
 - Nyatoh Padu
 - Semangkok, Kayu Getah



KLINIK / WORKSHOP

- ★ Baik Pulih / Pembaharuan Perabot
- ★ Reupholstery Service



Kami Sedia menerima tempahan Kayu Jati, Meranti, Seraya Batu Dan Merbau.

KEDAI I

Lot 303-G, Complex Diamond
Bangi Business Park,
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43650 Bandar Baru Bangi,
Selangor Darul Ehsan.
Tel/Fax: 03-82100199
H/P: 012-9156221 (Hassan Omar)

KEDAI II

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43650 Bandar Baru Bangi,
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H/P: 016-9662506 (Syakila)
012-5634026 (Odi)

BENGKEL / WORKSHOP

No. C1-05 & C1-07, Jln. Kenari
12, Tmn. Sri Kenari, Sg. Chua,
43000 Kajang, Selangor D. E.
Tel/Fax: 03-87390377
H/P: 012-6540230
(Shahrul Fazley Sulaiman)



SMA NIAGA ENTERPRISE

(001189119-T)

SHOWROOM

**Lot 303-G , Complex Diamond,Bangi Business Park ,
Jalan Medan Bangi Off Persiaran Bandar ,
43650 Bandar Baru Bangi , Selangor D . E .
Tel/Fax : 03-82100199**

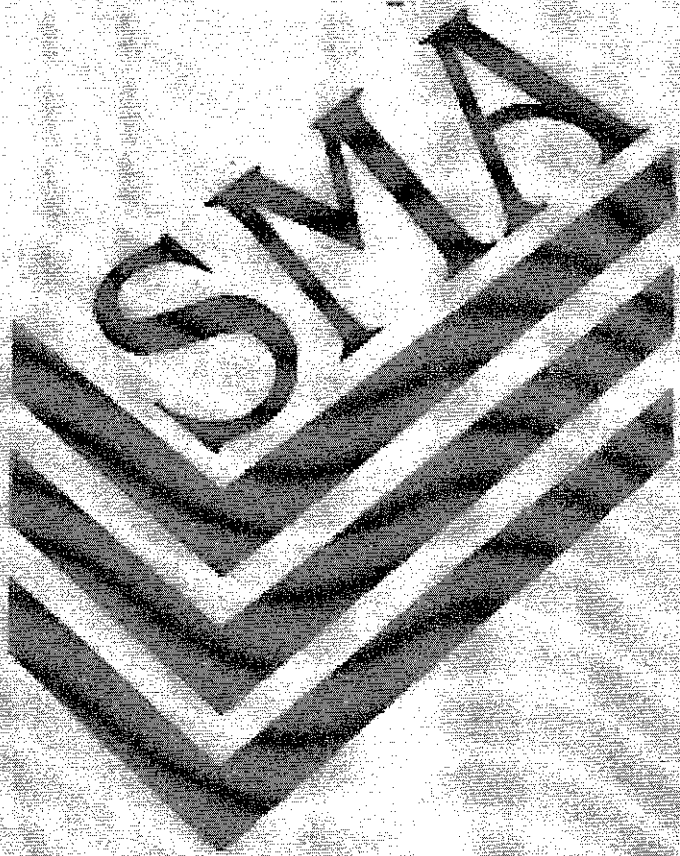
CAWANGAN

(ALAMAT SURAT-MENYURAT)

**No.18 , Jalan 7/1C ,
Seksyen 7 , 43650 Bandar Baru Bangi ,
Selangor D . E .
Tel/Fax : 03-89257681**

H/P : 012-315 3511(Hj.Shamsudin)

I/P : 012-314 5737(Razib Ramli) 019-254 1677(Mohd.Alias)



SMA NIAGA ENTERPRISE

(001189119 - T)

- **KONTRAKTOR BINAAN BANGUNAN DAN KEJURUTERAAN AWAM**
- **PERABOT KEDIAMAN , PERPUSTAKAAN DAN PEJABAT**
- **KABINET DAPUR, PAKAIAN DAN BINA-DALAM**
- **KERJA KAYU, PERGOLA, GAZEBO DAN PAGAR KAYU**
- **KERJA JUBIN DAN LANTAI (KAYU JATI, BELIAN, MERBAU, BITIS, BALAU DAN CENGAL)**
- **KARPET DINDING KE DINDING**
- **PLASTER KRAF DAN SILING**

gaan : SMA NIAGA ENTERPRISE
daftar : 001189119-T



SURUHANJAYA SYARIKAT MALAYSIA
COMPANIES COMMISSION OF MALAYSIA

**** MAKLUMAT PEMILIK MASA KINI ****

: SHAMSUDIN BIN AHMAD
KEDIAMAN : NO.24,JALAN SURADA 1;DESA SURADA;SG RAMAL DALAM;KAJANG, 43000, KAJANG, SELANGOR
ENIS : BIRU
AMA) : 5207048
ARU) : 570703045577
AHIR : 03-07-1957
: MELAYU
: LELAKI
! : PEMILIK TUNGGAL
ANEGERAAN : WARGANEGERA MALAYSIA
IASUK : 26-04-1999

DIAKUI BAHAWA BUTIR-BUTIR DALAM BORANG INI TELAH DIPETIK DARI DAFTAR
IAN 001189119 - T DAN BUTIR-BUTIR INI ADALAH SAH BENAR

ZAHARAH BT. KHALID
Pendaftar Perniagaan, Semenanjung Malaysia
TARIKH : 12/03/2005

irah Date: Sat Mar 12 14:12:10 WST 2005

2/2



**SURUHANJAYA SYARIKAT MALAYSIA
COMPANIES COMMISSION OF MALAYSIA**

PERHATIAN: SUNGGUHPUN SEGALA USAHA TELAH DIAMBIL UNTUK MEMASTIKAN MAKLUMAT YANG DIBERI ADALAH BETUL DAN KEMASKINI PENDAFTAR PERNIAGAAN TIDAK BOLEH DIPERTANGGUNGKAN BAGI SEBARANG KERUGIAN KERANA MAKLUMAT YANG TERSILAP ATAU TERTINGGAL

**** MAKLUMAT PERNIAGAAN ****

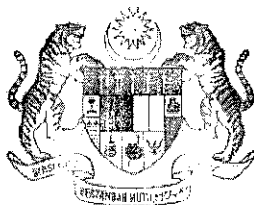
NAMA PERNIAGAAN : SMA NIAGA ENTERPRISE
ALAMAT UTAMA PERNIAGAAN : LOT 303-G, COMPLEX DIAMOND, BANGI BUSINESS PARK, BDR BARU BANGI
43650 BANDAR BARU BANGI
SELANGOR
NO PENDAFTARAN PERNIAGAAN : 001189119-T
TARIKH MULA BERNIAGA : 26-04-1999
TARIKH MULA DIDAFTARKAN : 26-04-1999
TARIKH PENUTUPAN PERNIAGAAN :
TARIKH PERUBAHAN : 01-03-2005
TEMPOH TAMAT PERAKUAN PENDAFTARAN SEKARANG: 25-04-2007
BENTUK PERNIAGAAN : PEMILIKAN TUNGGAL

**** JENIS PERNIAGAAN ****

PENGEDAR PERABOT, HIASAN DALAMAN, KERJA PERTUKANGAN KAYU DAN BINAAN, BAHAN-BAHAN BINAAN, ALAT BANTUAN MENGAJAR, MESIN DAN KELENGKAPAN BENGKEL, PENGEDAR PERMAIDAN/AMBAR, KELENGKAPAN/ KEMUDAHAN AWAM, BAHAN SURIH DAN DRAFTING SERTA TANAMAN/BENIH SEMAIAN

**** MAKLUMAT CAWANGAN ****

1) NO. 18, JALAN 7/1C, SEK. 7, BANDAR BARU BANGI, 43650, BANGI, SELANGOR



No. Siri AD 152113

PUSAT KHIDMAT KONTRAKTOR
KEMENTERIAN PEMBANGUNAN USAHAWAN DAN KOPERASI

NO. SIJIL PENDAFTARAN
1009 B 2003 0633

adalah disahkan Syarikat seperti butir-butir berikut berdaftar dengan Pusat ini tertakluk kepada syarat-syarat yang tercatat di dalam sijil ini.

AMA DAN ALAMAT BERDAFTAR :

MA NIAGA ENTERPRISE
LOT 303-G, COMPLEX DIAMOND,
BANGI BUSINESS PARK
650 BDR. BARU BANGI
SELANGOR

TEMPOH SAH LAKU :

DARI : 16/05/2005
HINGGA : 15/05/2007

ELAS KEPALA SUB KEPALA

F I 1***
II 1, 7a, 7b, 7c, 7d, 8b***

PEGAUWAI SYARIKAT YANG DITAULIAHKAN

ABDUL KAMAL BIN AHMAD
ABDUL KADAR ALIAS BIN OMAR

NO.K/P

570703-04-5577
720407-11-5113

JAWATAN

PENGURUS
PENGURUS PROJEK

NIK ZAINURIN BIN NIK IBRAHIM)

PEKAWAN SELANGOR

Pengarah
Pusat Khidmat Kontraktor
Kementerian Pembangunan Usahawan Dan Koperasi.

tarikh : 25 MAY 2005

LATAR BELAKANG SYARIKAT

1. Nama Syarikat : **SMA Niaga Enterprise**
2. No.Pendaftaran : **001189119 – T**
3. Nama Pemilik : **Hj.Shamsudin Bin Hj.Ahmad**
4. No.Kad Pengenalan : **570703-04-5577 (5207048)**
5. No.Pend.Kementerian Kewangan : **357-00050857(10/04/2005)**
6. No.Sijil Pendaftaran PKK : **1009B 2003 0633**
7. Nama Bank : **Bumiputra Commerce Bank
Berhad ,
Universiti Kebangsaan
Malaysia ,
Bangi, Selangor D . E .**
8. No.Akaun Bank : **1218-0008617-05-2**
9. E-mail : **atihgboy@hotmail.com**
- 10.Alamat Perniagaan : **Lot 303-G , Complex Diamond ,
Bangi Business Park ,
Jalan Medan Bangi Off
Persiaran Bandar ,
43650 Bandar Baru Bangi ,
Selangor D . E .
(Tel/Fax : 03-82100199)**
- 11.Alamat Surat-Menyurat : **No.18 , Jalan 7/1C ,
Seksyen 7 ,
43650 Bandar Baru Bangi ,
Selangor D . E .
(Tel/Fax : 03-89257681)**
12. Bengkel / Stor : **No.C-01-05 & C-01-07 ,
Jalan Kenari 12 ,
Taman Sri Kenari , Sg . Chua ,
43000 Kajang ,
Selangor D . E .
(Tel/Fax : 03-87390377)**

PENGENALAN

MA NIAGA ENTERPRISE di daftarkan pada 26 April 1999 di Lot 2-3A , Aras 2 Bangi Utama Shopping Complex (WARTA) , 43650 Bandar Baru Bangi, Selangor Darul Ehsan . Di peringkat awal kami menjual pelbagai jenis perabot untuk rumah kediaman dan pejabat.

ini kami berdaftar dengan Kementerian Kewangan sebagai Kontraktor dan pembekal yang bertaraf bumiputra dalam bidang :

- i) Kontraktor Binaan dan Penyelenggaraan Kerja-Kerja Awam
- ii) Hiasan dalaman , kabinet bina-dalam , kerja-kerja pertukangan kayu luar dan dalam
- iii) Kerja-kerja pemasangan jubin , lantai kayu dan pemasangan karpet dinding ke dinding.
- iv) Pergola dan Gazebo
- v) Pengimport dan pembekal pelbagai jenis perabot jati.
- vi) Perabot Taman

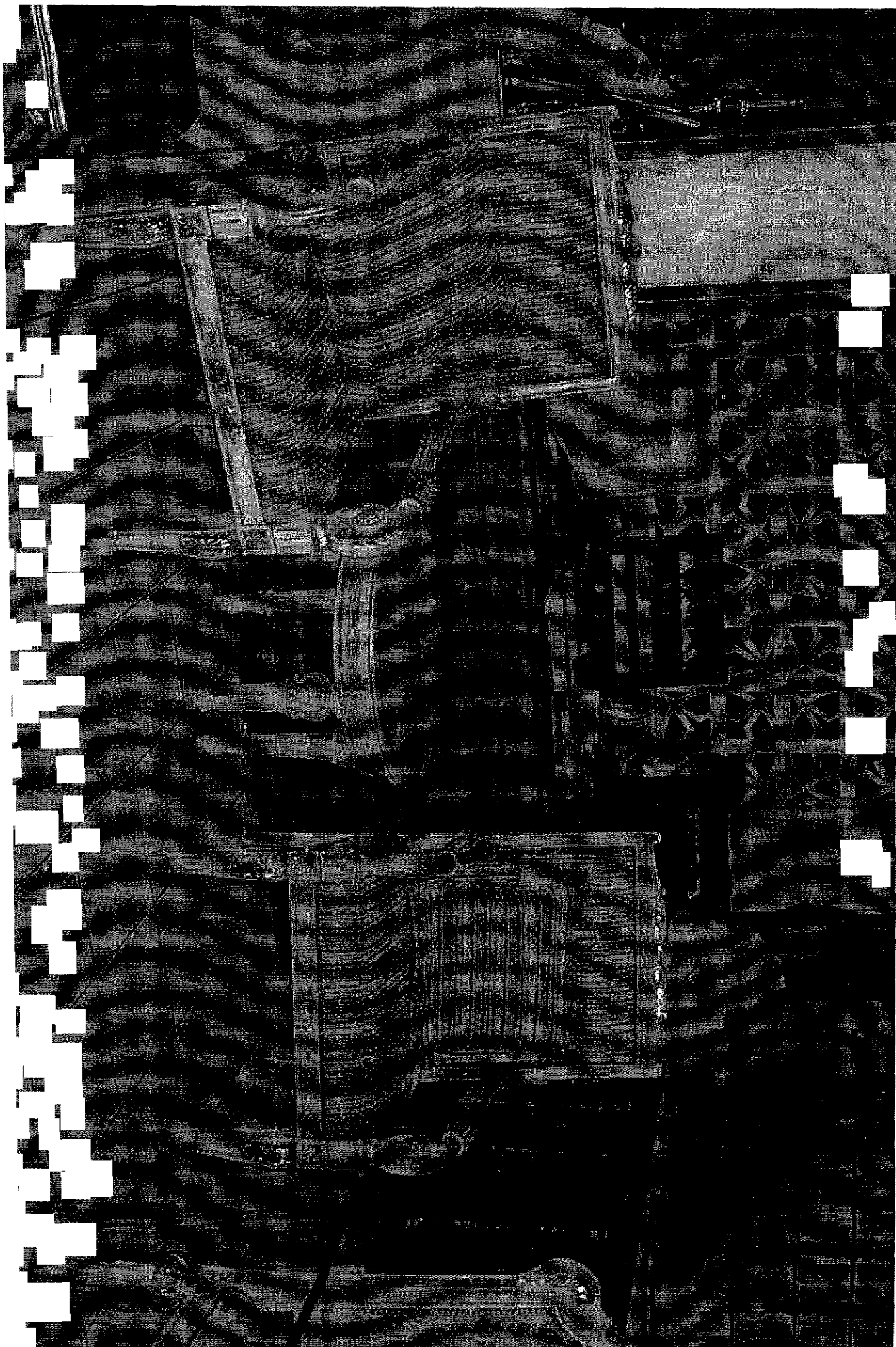
ami juga berdaftar dengan PKK sebagai Kontraktor Kelas F . Polisi kami adalah untuk memberi perkhidmatan yang cemerlang dan kepuasan setiap pelanggan .
Kongongan dari semua pihak amat kami hargai .

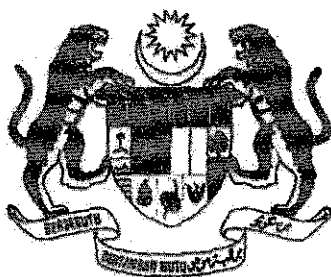
Bilik Pameran 1 : Lot 303-G, Complex Diamond,
Bangi Business Park,
Jalan Medan Bangi Off Persiaran Bandar,
43650 Bandar Baru Bangi.
Tel/Fax : 03-82100199

Bilik Pameran 2 : No.18, Jalan 7/1C, Seksyen 7,
(Binaan) 43650 Bandar Baru Bangi.
Tel/Fax : 03-89257681

Bengkel & Stor : C-01-05, Jalan Sri Kenari 12, Taman Sri Kenari,
Sungai Chua, 43000 Kajang.
Tel/Fax : 03-87390377







No. 181060

KEMENTERIAN KEWANGAN MALAYSIA

AKUAN PENDAFTARAN KONTRAKTOR

No. RUJUKAN PENDAFTARAN : 357-00050857

TEMPOH : 11/04/2005 -10/04/2008

Bahawa dengan ini diperakui syarikat:

SMA NIAGA ENTERPRISE
G303, COMPLEX DIAMOND,
BANGI BUSINESS PARK,
BDR. BARU BANGI, SELANGOR.
43650 BANDAR BARU BANGI
SELANGOR

telah berdaftar dengan Kementerian Kewangan Malaysia dalam bidang
bekalan/perkhidmatan di bawah kepala dan sub-kepala berikut:

010202, 020101, 020102, 040200, 120201, 130100, 140100, 180100, 220801 ***

Kelulusan ini adalah tertakluk kepada syarat-syarat seperti dinyatakan
di sebelah

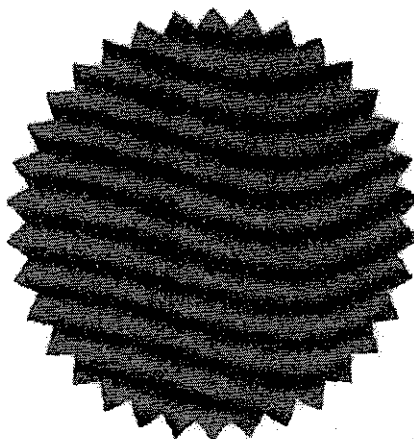


HJ. MD. ISA BIN MD. YUSOP

Bahagian Pengurusan Perolehan Kerajaan
b.p. Ketua Setiausaha Perbendaharaan
Kementerian Kewangan Malaysia

01/04/2005

Bertarikh:



Perakuan Pendaftaran

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan di belakang Perakuan ini

No Pendaftaran: 0120050412-SL103486

Nama Kontraktor : SMA NIAGA ENTERPRISE

Alamat Berdaftar : LOT 303-G, COMPLEX DIAMOND
BANGI BUSINESS PARK
BANDAR BARU BANGI
43650 SELANGOR
SELANGOR

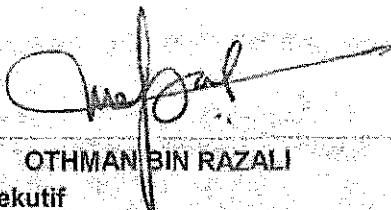
Gred, kategori dan pengkhususan berdaftar

G2	Tidak melebihi RM500,000	B	B04
G2	Tidak melebihi RM500,000	CE	CE21

Tarikh Mula Berkuatkuasa : 12 APR 2005

Tarikh Habis Tempoh Perakuan : 11 APR 2008*

*Perakuan ini hendaklah diperbaharui selawat-lewatnya 60 hari sebelum tarikh habis tempoh.



(OTHMAN BIN RAZALI)

b.p. Ketua Eksekutif

Bertarikh: 12 APR 2005

