# ACADEMIC SUPPORT FOR LECTURER AND STUDENT THAT ENABLE FILE SHARING WEB BASED SYSTEM IN  MEDAN

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Nowadays, the growth of the internet user has been increased. Internet become more popular and seems like daily needs. The university, colleges, school or even computer course started giving free access to this service. The service that gave by the internet service providers seems to be easiest from day to day. Internet service comes cheaper and cheaper so that the Internet can reach to many people even for individual use. People can connect to Internet all day long and anywhere by various kind of service, like broadband modem, dial-up modem, Wi-Fi hotspot or even using their hand phone. According to Internet Word Statistic, (at http://www.internetworldstats.com/stas.htm, accessed 25 October 2011), in March 2011, the biggest internet user in the world is in Asia. It reaches until 44, 2% users all over the world. Indonesia is the fourth of the top internet countries after China, India and Japan. The increases of the internet users in Indonesia reach until 1980% since 2000 (from 2.000.000 people become 39.600.000).

**Kata Kunci :**  Academic, File Sharing

## Pendahuluan

Based on the survey in Indonesia, 88.4% of the correspondents know that they can do transactions on the Internet. This is certainly a big business opportunity to do e-commerce. More than 16% have performed online transactions for various reasons such as time-cost efficiency, item availability (not available locally), and ease of access (use of credit card). The security of transaction has become the major issue of the other 11.6% group of users, who are concerned that their credit card details might be misused or feels that there is no guarantee that the goods are delivered. These concerns do not only apply to individual but also corporate users.

Once convinced that the issues are resolved, 83% of the respondents who did not like online transaction are willing to participate in e-Commerce activities (Indonesia Internet Business Community, 2002) .

The solution nowadays for this problem in Indonesia is by using Internet Banking. For respondents who have done Internet banking, they say that Internet banking is practical, easy to do, time-cost efficient, and provide more privacy. However, some websites also provide customers to make payment in conventional ways without using the Internet. GramediaCyberStore, for example, offers payment by using ATM BCA. This payment method has a number of advantages, since ATM BCA is a widely accepted transaction

medium, available nationwide, and provides a more secured payment method compared to the Internet (Indonesia Internet Business Community, 2002).

## Metode

Since this project is selling psychology's books which involve internet users, so it is needed to do research on community to know their needs to maximize the feature in this system. The object of research will focus on user friendly of the program, future that the user need and the books quality that the user need. Therefore, college or university students and the lecture are chosen as the object in this research because they are the biggest customer population and biggest user of this system. The scope of the college students and lecture in this research object are students from Psychology major. The research will be at university in Medan which is University of North Sumatera.
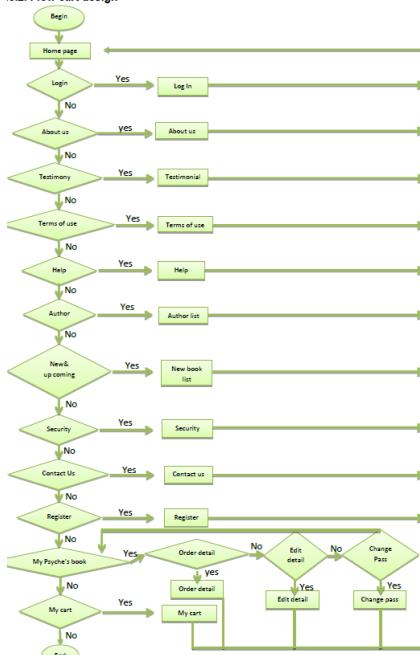


Gambar. 1. Flow Chart

## Hasil and Pembahasan

**Hasil**

Sistem IT&B Campus Medan telah diimplementasikan dengan menampilkan halaman-halaman yang didasarkan pada UML dan desain database yang telah dibuat sebelumnya. Salah satu halaman yang ditampilkan adalah halaman login, dimana pengguna admin/superadmin harus memasukkan nama pengguna dan kata sandi untuk dapat masuk ke dalam sistem. Halaman login untuk sistem IT&B Campus Medan dapat dilihat pada Gambar 3.
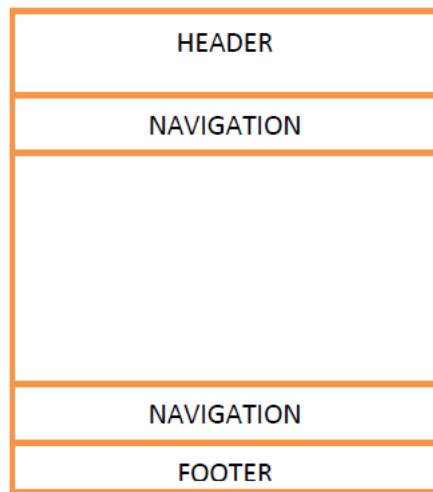
Gambar. 3. Login

Gambar 4 adalah halaman utama dimana user dapat memilih modul-modul seperti Dashboard, Penjualan, dan Profile.
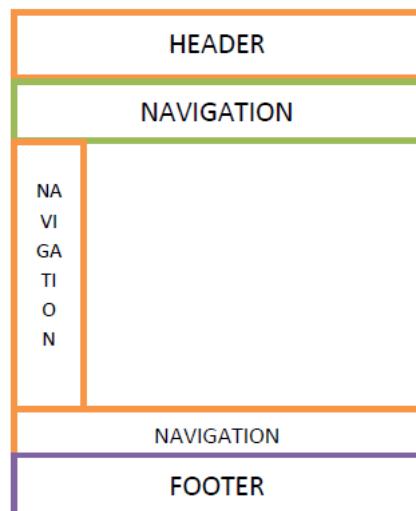


Gambar. 4. Main Menu

Gambar 5 menujuk Layout penjualan Shoes & Care Medan yang terdiri dari detail penjualan, produk dan pembayaran.



Gambar. 5. Penjualan

Gambar 6 menunjukan laporan penjualan. Laporan penjualan dapat dikirimkan secara online melalui email maupun melalui chat.
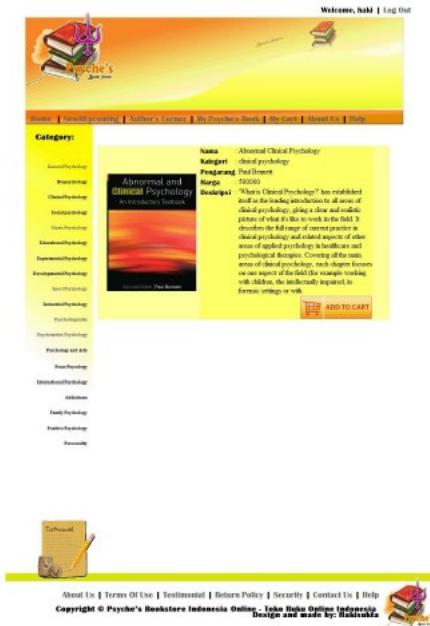


Gambar. 6. Laporan Penjualan

**Pembahasan**

Dalam laporan ini dijelaskan hasil pengujian sistem point of sales Shoes & Care Medan menggunakan metode black box testing, yang berfokus pada fungsionalitas sistem yang telah dibangun (Anwar, Kurniawan, Rahman, & Ani, 2020). Setelah melalui pengujian black-box, sistem dianggap berjalan dengan baik dan benar. Pengujian dilakukan dengan menguji kegunaan dan fungsionalitas sistem melalui 10 item uji, yang mencakup fitur-fitur seperti login, penjualan, pembelian, pengolahan data kategori, item, produk, dan pengguna, yang diuji oleh pengguna.

## Kesimpulan

Kesimpulan dari hasil perancangan, pengembangan, dan pengujian sistem point of sales di Shoes & Care Medan yang telah dilakukan adalah sebagai berikut:
1. Sistem point of sales pada Shoes & Care Medan berhasil dibangun menggunakan metode agile dengan pengujian black-box.
2. Sistem point of sales yang dibangun mengikuti perancangan flowchart, use case, dan sequence diagram.
3. Fungsi-fungsi yang terdapat pada sistem point of sales dapat berjalan sesuai dengan desain.

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