

## Management Information Application Design Employment (E-Personal) Based on The Website : PT Pelindo Multi Terminal

Aulia Ichsan<sup>1</sup>, Surya Wisada Dachi<sup>2</sup>

<sup>1</sup>Department of Information Systems, Universitas Deli Sumatera

<sup>2</sup>Department of Mathematics Education, Universitas Muhammadiyah Sumatera Utara

### ABSTRACT

Study This aim For develop And analyze system website-based personnel information in an organization. Information Systems staffing Which effective And efficient become need important in human resource management in various organizations. In this research, we designing And implement system information staffing based website Which capable manage data staffing like information personal, performance, absenteeism, and work history. System development methods used is analysis need, planning system, implementation, And evaluation. Results study show that system information staffing This website-based service can increase efficiency and accuracy in processing data staffing. Besides That, use website as platforms possible accessibility Which more easy And flexibility in management personnel information.

**Keyword : System information staffing; Website Human resource management; Accuracy; Data processing staffing; Requirements Analysis**

 This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

#### **Corresponding Author:**

Aulia Ichsan  
Department of Information Systems  
Universitas Deli Sumatera  
Jl. Jenderal Abdul Haris Nasution No. 11 CDE Medan, Indonesia.  
Email : auliaichsan15@gmail.com

#### **Article history:**

Received April, 2024  
Revised April, 2024  
Accepted Mei, 2024

### 1. INTRODUCTION

Development technology Which so fast give convenience for humans in carrying out various activities. Technology is always developing in accordance with need man. Thereby Also with development technology in field information. Need public will information Now is something that is very necessary in modern life. Technology in the field of information, technology can be utilized by the wider community the simplest to the latest technology. Every organization just like government agencies really need a computerized system Which accurate, fast, and effective.

In every organization, information is very important because Information is considered to be fundamental in carrying out activities. On Currently, personnel information systems are very important for owned A organization, Wrong the only one is PT Pelindo Multi Terminal. Using a personnel information system can make it easier to look for data about all private employee.

The Personnel Information System is a system that is able to provide information data employee. System Information Management Staffing built as means For do administration data staffing in a way computerized so that management data staffing Can directed And efficient. Besides

That storage data in form electronic can makes it easier in management and providing data Which faster. Currently, personnel data processing at PT Pelindo Multi Terminal is still ongoing less effective in managing personnel data because the existing system is only supports individual employee data management for each employee account. Apart from that, to help process personnel data for all employees, admin still using Microsoft Word and Excel applications and bookkeeping processes Manually. This causes personnel data collection to not be captured in a way digital.

Seeing the existing problems, an Information System was created PT Pelindo Multi Terminal Personnel Management which has the function of managing staff data on leave, salaries and promotions. So the system information management staffing This can manage staffing with more recorded And caught in a way digital in management data his staffing.

## 2. RESEARCH METHOD/MATERIAL AND METHOD/LETERATURE REVIEW

Study This done with refers to a number of study regarding the development of previous personnel information system applications with title System Information Staffing Based Web On PT. Hill Mayana Palembang, the weakness of this research is that it only uses website For access system information his staffing. So that requires large internet access to access the website. Study This Also use method Rational Unified Process (RUP), whereas analysis is carried out with ongoing system surveys, interviews and gather data For obtain information Which needed. Results The implementation of this system is expected to make data processing easier personnel such as making monthly reports, employee mutation data (Mirza, 2013).

Study other Which done by Sujono (2015) about Design CV Office Personnel Information System Application. Mega Cipta Pangkalpinang as effort For produce system information staffing in a way computarization Where system staffing previously Still use system manual, so that more efficient And optimal To use support progress And staffing development. Personnel information system that will design use methodology oriented object with tool help UML (Unified Modeling 8 Language), direct observation and interviews with party Which related (Sujono, 2015).

There is also other research with the title Information Systems Development "SIMPEG" Staffing at the Research and Development and Training Agency of the Ministry of Religion. Results from study This show that system information Which built can makes it easier to get the desired employee data, and also makes it easier planning section in analyzing employee data to carry out strategies which will come. The personnel information system will be developed with Spiral Model system development method which consists of planning the requirements condition, Workshops design, Implementation Tools planning Which used is Unified Modelling Language (UML) (Saputra, 2011).

### A. Application

According to Wise, et al. (2013:27), Application originate from say application which means application, application, use. In application terms is: program Ready use Which designed For carry out something functions for other users or applications and can be used by target Which aimed.

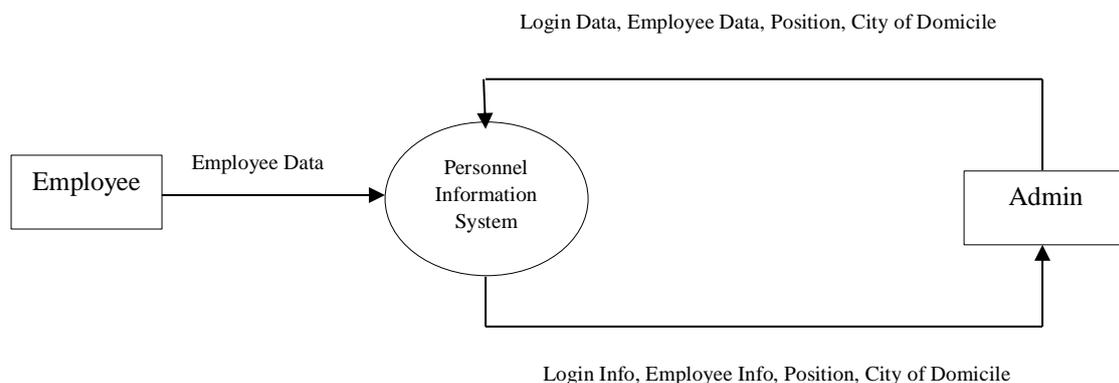
### B. Website

According to Jonathan, et al. (2015:4), Websites are a collection of pages site, Which summarized in A domain or subdomains, Which the place is at in in World Wide Web (WWW) in in Internet. A page web usually form document Which written in HTML format (Hyper Text Markup Language), which always Can accessed through HTTP, that is A protocol Which convey information from servers website For 11 is displayed to para user via a web browser.

## 3. RESULTS AND DISCUSSION

### A. Planning Data DFD (Data Flow Diagram)

DFD (Data Flow Diagram) describes the system as a working network between function Which relate One The same other with Genre And storage data. As an analysis tool, this model is only able to model one system corner look namely angles look function.



## B. Planning Databases

Planning database table is done to design the table as processing data. Following this will be discussed database design.



Fig 1. Database Design

## C. Discussion System Staffing

In application This especially in field staffing There is a number of displays such as for inputting employee data, inputting position positions, and display For home town employee. Appearance –the look like the following.

- Form Login

In Form Login This There is Username And Passwords Which must filled by admin.

Selamat Datang  
Silahkan Masuk Untuk memulai.

Username

Password

Sign In

Fig 2. Form Login

Figure 2 shows the login form to be able to enter the PT Pelindo web page.

- Form Page Main

On this Main Menu Page there are several menus, namely: home, Data Employee, Data Position, And Data City, Also there is statistics Data City position and data.

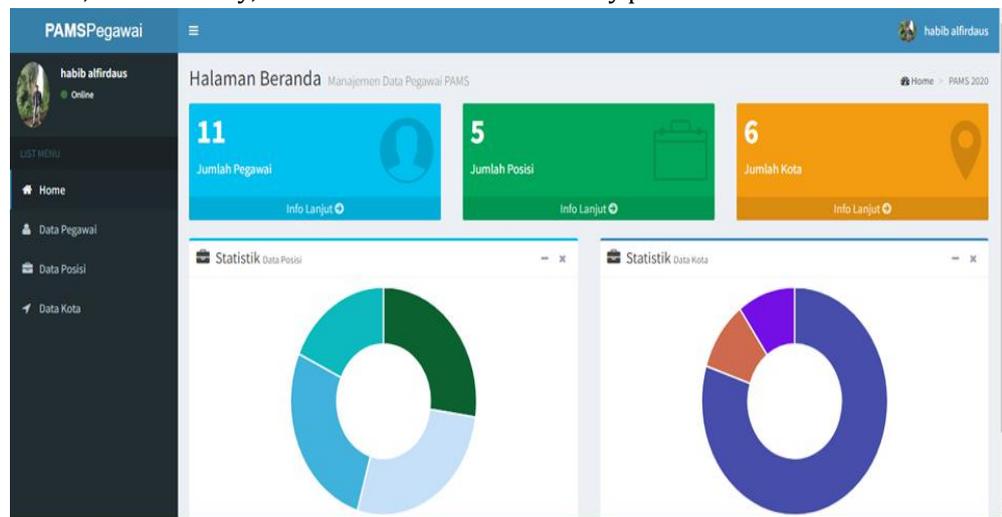


Fig 3. Form Menu Main

- **Form Page Data Employee**  
In the Employee Data Page Form there is an Add Menu Data, export/import data from Excel, Updates And delete, as well as appearance profile employees consisting of Name, Telephone Number, City of Origin, Gender and position. In the Employee Data Page Form there is also a Search menu Which used to make it easier to find employee data.

Nama	No Telp	Asal kota	Jenis Kelamin	Posisi	Aksi
Antony Febriansyah Hartono	082199568540	Malang	Laki laki	IT	Update Delete
Dody Ahmad Kusuma Jaya	083854520015	Malang	Laki laki	HRD	Update Delete
Faiq Fajrullah	08573633728	Malang	Laki laki	HRD	Update Delete
Hafizh Asrofil Al Banna	087859615271	Malang	Laki laki	IT	Update Delete
Mokhammad Choirul Ikhsan	085749535400	Blitar	Laki laki	HRD	Update Delete
Mustofa Halim	081330493322	Malang	Laki laki	Keuangan	Update Delete

Fig 4. Form Page Data Employee

- **Form Data Page Position**  
In the Position Data Page Form there is an Add data menu, Export/Import data Excel, menu Search Which used For make it easy search data position, menu Updates And Delete as well as Details, And There is also a display of what position just Which already registered.

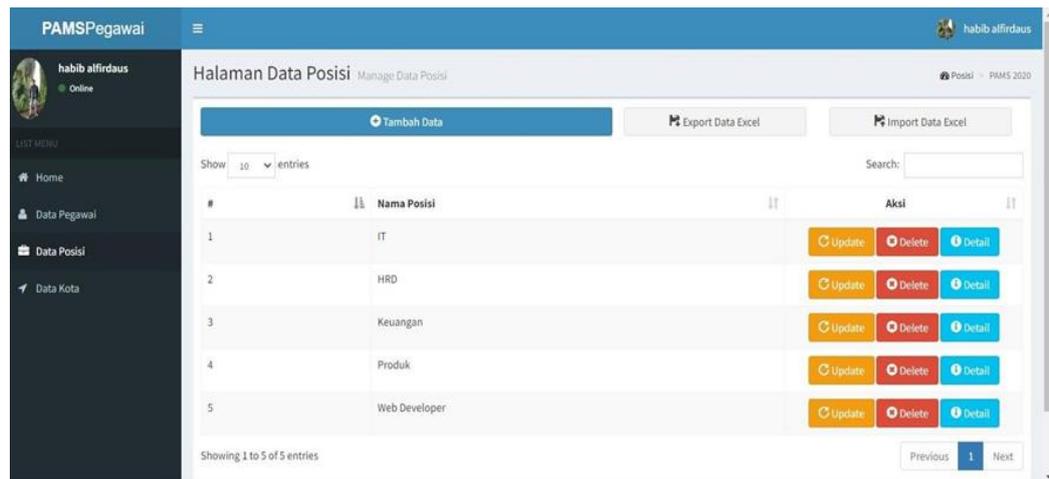


Fig 5. Form Page Data Position

- **Form Data Page City**  
In the City Data Page Form there is an Add data menu, Export/Import data Excel, menu Search Which used For makes it easier to search for City data, Update, Delete and Detail menus, And There is also a City view What just Which already registered.

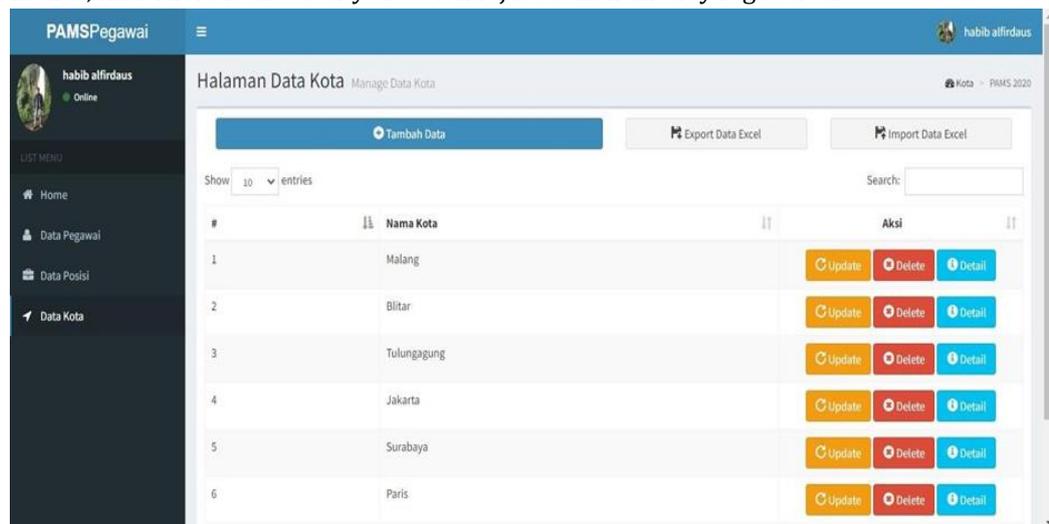


Fig 6. Form Page Data City

- **Form Profile Page**

In Form Page Profile there is Photo admin, settings menu For change Username, Password, and also Photo Admin.

Fig 7. Form Page Profile

#### 4. CONCLUSION

Personnel data processing currently occurring at PT Pelindo Multi Terminal still done manually. This makes the processing process walk slow And No efficient. So that process processing data staffing If the efficiency and speed can be further improved, it needs to be built a reliable information system. To build an information system, Good analysis and design is required. This is so that the information system later built, Can truly show performance Which more Good compared to the old system. Apart from that, it needs to be designed so that potential users No difficulty adapting with information Systems Which built. With a report on the results of practical work in the form of design system This, expected can help makes it easier If later will built system personnel information (SIMPEG) For BKD Tabanan.

#### REFERENCES

- Sari., I.P, Batubara., I.H, Al-Khowarizmi., A, & PP Hariani. (2022). Perancangan Sistem Informasi Pengelolaan Arsip Digital Berbasis Web untuk Mengatur Sistem Kearsipan di SMK Tri Karya. *Wahana Jurnal Pengabdian kepada Masyarakat* 1 (1), 18-24
- Habibi., F, Qathrunada., I.F, & Anggraini., T. (2023). "Design and Build a Tourism Website Using Shopify Framework". *Hanif Journal of Information Systems*. Vol. 1 No. 1, 2023.
- Sari., I.P, A Syahputra, N Zaky, RU Sibuea, & Z Zakhir. (2022). Perancangan sistem aplikasi penjualan dan layanan jasa laundry sepatu berbasis website. *Blend sains jurnal teknik* 1 (1), 31-37
- Hariani.,P.P, Sari.,I.P, & Batubara., I.H. (2021). Implementasi e-Financial Report BUMDes. *IHSAN: JURNAL PENGABDIAN MASYARAKAT* 3 (2), 169-177
- Sari., I.P, A Azzahrah, FQ Isnaini, L Nurkumala, & A Thamita. (2022). Perancangan sistem absensi pegawai kantor secara online pada website berbasis HTML dan CSS. *Blend sains jurnal teknik* 1 (1), 8-15
- Septiana., D. (2024). Forecasting Rice Prices with Holt-Winter Exponential Smoothing Model. *Hanif Journal of Information Systems*. Vol. 1 No. 2, 2024.
- Sari.,I.P, & Ramadhani., F. (2021). Pengaruh Teknologi Informasi Terhadap Kewirausahaan Pada Aplikasi Perancangan Jual Beli Jamu Berbasis WEB. *Prosiding Seminar Nasional Kewirausahaan* 2 (1), 874-878.
- Satria., A, Ramadhani., F, & Sari., I.P. (2023). Rancang Bangun Sistem Informasi Penerimaan Peserta Didik Baru (PPDB) Sekolah Menengah Kejuruan Telkom 2 Medan Menggunakan Codeigniter. *Wahana Jurnal Pengabdian kepada Masyarakat* 2 (1), 23-31
- Sari., I.P, A Jannah, AM Meuraxa, A Syahfitri, & R Omar. (2022). Perancangan Sistem Informasi Penginputan Database Mahasiswa Berbasis Web. *Hello World Jurnal Ilmu Komputer* 1 (2), 106-110.
- Mahardika., F, & Abdillah., M.L. (2024). Design of Unified Modeling Language Information System for Motorcycle Unit Selling and Buying Transactions using the Waterfall Method. *Hanif Journal of Information Systems*. Vol. 1 No. 2, 2024.
- Sari., I.P, & Batubara., I.H. (2021). Perancangan Sistem Informasi Laporan Keuangan Pada Apotek Menggunakan Algoritma K-NN. *Seminar Nasional Teknologi Edukasi dan Humaniora (SiNTESa)* 1 (2021 - ke 1

- Ramadhani, F, A Satria, & Sari, I.P. (2022). Aplikasi Internet Berbasis Website sebagai E-Commerce Penjualan Komponen Sport Car. *Blend Sains Jurnal Teknik 1* (2), 69-75
- Sari, I.P, & Batubara, I.H. (2021). User Interface Information System for Using Account Services (Joint Account) WEB-Based. *International Journal of Economic, Technology and Social Sciences (Injects)*, 462-469
- Batubara., I.H, Sari., I.P, EFS Siregar, & BS Lubis. (2021). Meningkatkan Kemampuan Penalaran Matematika Melalui Metode Penemuan Terpandu Berbantuan Software Autograph. *Seminar Nasional Teknologi Edukasi Sosial dan Humaniora 1* (1), 699-705
- Sari, I.P, Al-Khowarizmi, A, & Batubara., I.H. (2021). Implementasi Aplikasi Mobile Learning Sistem Manajemen Soal dan Ujian Berbasis Web Pada Platform Android. *IHSAN: JURNAL PENGABDIAN MASYARAKAT 3* (2), 178-183
- Mudafri, H.A. (2024). Design of a Web-Based Coffeeshop Ordering Information System. *Hanif Journal of Information Systems. Vol. 1 No. 2, 2024.*
- Sari, I.P, Hariani., P.P, Satria, A, & Manurung., A.A. (2023). Rancang Bangun Sistem Informasi Pengelolaan Arsip Materi Ajar Berbasis Web untuk Guru MAS Darul Falah. *Wahana Jurnal Pengabdian kepada Masyarakat 2* (2), 59-65
- Ramadhani, F, & Sari, I.P. (2021). Pemanfaatan Aplikasi Online dalam Digitalisasi Pasar Tradisional di Medan. *Prosiding Seminar Nasional Kewirausahaan 2* (1), 806-811
- Sari, I.P, Sulaiman., O.K, & Apdillah, D. (2024). Rancang Bangun Game Zombie Menggunakan Kodular Berbasis Android. *Jurnal Minfo Polgan 13* (1), 293-302
- Ichsan, A, Siambaton, M.Z, & Nasution, K. (2023). "Android-Based Practical Work Student Registration Form Application System Design". *Hanif Journal of Information Systems. Vol. 1 No. 1, 2023.*
- Sari, I.P, Batubara., I.H, & M Basri. (2022). Implementasi Internet of Things Berbasis Website dalam Pemesanan Jasa Rumah Service Teknisi Komputer dan Jaringan Komputer. *Blend Sains Jurnal Teknik 1* (2), 157-163
- PP Hariani, Sari, I.P, & Batubara., I.H. (2021). Android-Based Financial Statement Presentation Model. *JURNAL TARBIYAH 28* (2), 1-16
- Ramadhani., F, Sari, I.P, & Satria., A. (2024). Perancangan UI/UX Surat Keterangan Waris dalam Pengembalian Dana Haji Berbasis Web. *Blend Sains Jurnal Teknik 2* (3), 198-203.
- Sari, I.P, Sulaiman, O.K, Ramadhani, F, & Satria., A. (2023). Perancangan Sistem Manajemen Surat Berbasis Web Pada Kantor Camat Tano Tombangan Angkola. *INCODING: Journal of Informatics and Computer Science Engineering 3* (2), 61-76.
- Jannah., A, Meuraxa., A.M, & Azzahrah., A. 2023. "Web Based E-Commerce System Design at EXO Shop Using The Waterfall Method". *Hanif Journal of Information Systems. Vol. 1 No. 1, 2023.*
- Sari, I.P, Al-Khowarizmi, A, Jannah., A, Meuraxa., A.M, & Tanjung., M.I. (2023). Web-Based Offline Game Suit Design: A Model Overview. *Journal of Computer Science, Information Technology and Telecommunication Engineering 4* (2), 389-394.
- Guntur., S, Ichsan., A, & Sari, I.P. (2024). Designing a Web-Based Mail Management System at the Beringin Helvetia Sub-district Office. *Altafani: Jurnal Pengabdian Masyarakat 1* (1)
- Sari, I.P, Sulaiman., O.K, Al-Khowarizmi., A, & Azhari., M. (2023). Perancangan Sistem Informasi Pelayanan Masyarakat pada Kelurahan Sipagimbar dengan Metode Prototype Berbasis Web. *Blend Sains Jurnal Teknik 2* (2), 125-134.
- Hutasuhut., B.K, Sari., I.P, & Al-Khowarizmi, A.K. (2023). Analysis the Effect of Digitalization and Technology on Web-Based Entrepreneurship. *Journal of Computer Science, Information Technology and Telecommunication Engineering*
- Sari, I.P, Ramadhani, F, Satria, A, Apdillah, D, & Basri, M. (2023). Rancangan UI/UX Aplikasi Analytics pada Toko Online Wao Sneakers Menggunakan Figma Berbasis Mobile. *Factory Jurnal Industri, Manajemen dan Rekayasa Sistem Industri 1* (3), 93-101