

**Employee Payroll Information System at Manunggal Village Head Office****<sup>1</sup>Esti Fitri Susyla, <sup>2</sup>Mamed Rofendi Manalu**<sup>1,2</sup> Universitas Imelda Medan**ARTICLE INFO**

Keywords:  
Employee,  
Payroll Information System,  
Village Head Office

Email :  
esti@gmail.com

**ABSTRACT**

The existence of the Employee Payroll Information System at the Manunggal Village Office provides convenience to its users. The procedure used is simpler so that the Payroll Information System at the Manunggal Village Head Office is more efficient and effective. Therefore, the author designed a Payroll Information System at the Manunggal Village Head Office using Microsoft Visual Basic 2010 software and MY SQL as the database. This research is a research and development research with development and implementation methods. Data obtained through literature study and interviews. The system development method used is an output, process and data oriented methodology. The design of information systems is a context diagram, and data flow diagrams. By implementing the Payroll Information System at the Manunggal Village Head Office, it can make it easier when reporting and in making reports that are processed quickly and well. The application of the Payroll Information System at the Manunggal Village Head Office using Visual Basic 2010 can help performance in the Manunggal Village Head Office.

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All rights reserved is Licensed under a [Creative Commons Attribution- NonCommercial 4.0 International License \(CC BY-NC 4.0\)](https://creativecommons.org/licenses/by-nc/4.0/)**INTRODUCTION**

The village is a combined area of several Rukun Masyarakat (RW). Government at the village and kelurahan levels is an element of government that deals directly with the community (Law No. 14 2016). Various activities in rural areas are carried out such as community services, and empowerment, order, and maintenance of public servant infrastructure.

Employee payroll is a routine activity at the Manunggal Village Head's office. Currently, recording employee payroll is still done manually so that there are still many problems when conducting employee payroll transactions. In addition, the manual model takes a long time to process data processing such as adding data, searching for data and reporting payroll. Payroll Information System is an information system specifically designed to assist in handling the above problems. This system has several main functions, namely processing, handling the salary calculation process and making payroll reports. With this Payroll Information System, it is expected to help overcome the above problems and reduce calculation errors and can speed up the payroll process at the Village Head Office. Based on the descriptions above, the author is interested in conducting research entitled "Payroll Information System for Employees at the Manunggal Village Head Office Using Visual Basic Programming Language".

**METHOD**

The object of research conducted by the author explains the design of employee payroll at the Manunggal Village Head Office using Visual Basic 2010. Data collection methods using observation, interviews and literature studies.

**RESULTS AND DISCUSSION****Proposed System Plan**

The ongoing system analysis aims to find out more clearly how the system works and the problems faced by the system to be used as a basis for proposals where in Manunggal Village where the payroll process has been carried out manually, so that there are often errors in employee salary assessment and employee payslips are not received by the employees themselves. With this payroll system, it can assist

employees in processing payroll computerized and receipts that can be printed directly from the Manunggal Village recitation information system.

### Context Diagram

Context diagrams are the highest level of data flow diagrams (DFDs), used to describe globally the systems designed from information systems. The system that will be designed thoroughly is a clear picture of the scope of discussion where as the medium is in the form of a context diagram

### Database System Planning

#### Table Planning

Designing a table structure is one of the most important things before making a program, because the table structure is part of the course of a program that will be designed in the system.

Table 1. Employee Table

Nama Field	Type	Size	Keterangan
Kode	Int	11	Primary Key
Kode_Jabatan	Int	11	Foreign key
NIP	Varchar	20	
Nama	Varchar	40	
Tgl_Lahir	Date	0	
Jenis_Kelamin	Varchar	20	
Alamat	Varchar	100	
No_KTP	Varchar	20	
No_HP	Varchar	15	
Agama	Varchar	20	
Tgl_Masuk	Date	0	
Tgl_Keluar	Date	0	
Nama_Istri	Varchar	40	
Jumlah_Anak	Int	11	
Gaji_Pokok	Int	11	

Table 2. Job Title Table

Nama Fild	Type	Size	Keterangan
Kode	Int	11	Primary Key
Uraian	Varchar	100	

Table 3. Salary Table

Nama Field	Type	Size	Keterangan
Kode	Varchar	15	Primary Key
Kode_Karyawan	Int	11	Foreign key
Gapok	Int	11	
Gaji_Bersih	Int	11	
Potongan	Int	11	
Tgl_Terima	Date	0	
Kode_User	Varchar	15	
Keterangan	Varchar	150	
Bulan	Varchar	30	
Tahun	Varchar	30	

Table 4. User Table

Nama Field	Type	Size	Keterangan
Kode	Int	11	Primary Key

User_Name	Varchar	30
Password	Varchar	30
Status	Varchar	20

### Designing Proposed Inter-Table Relationships

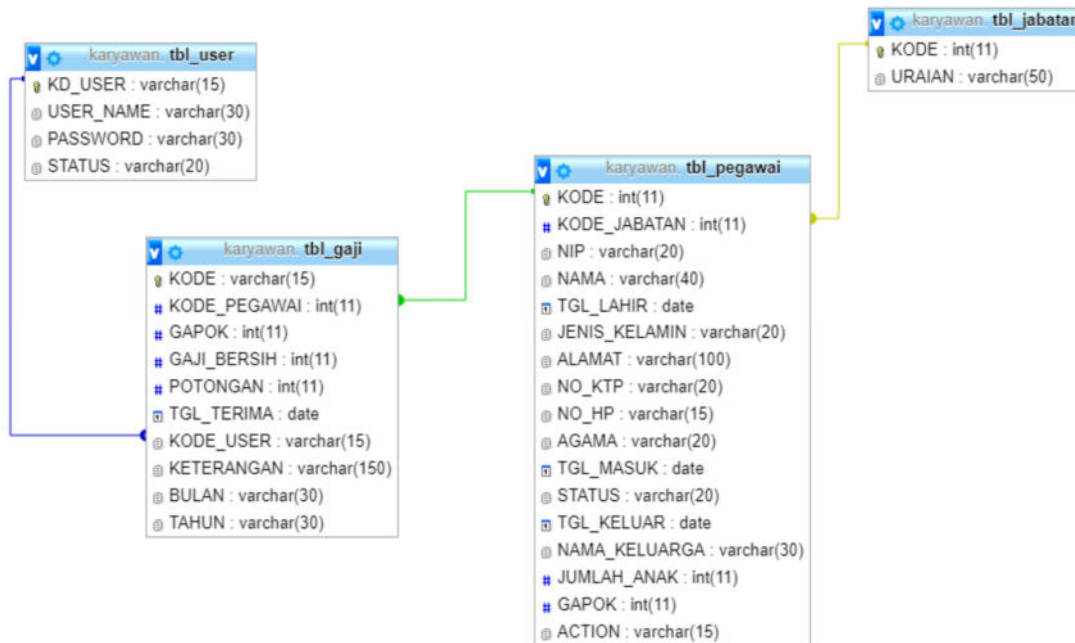


Figure 1. Database Relationships

### CONCLUSION

The application of a client-server-based filing information system has advantages in terms of ease, speed, and effectiveness compared to the use of conventional filing management. By implementing a client server system, officers will be easier and faster in inputting medical record document data for medical record document transactions. With the application of a client-server-based filing information system, data will be centralized in one storage, namely on the server so that it will have an effective impact on processing medical record data.

### REFERENCES

Ladjamudin, Al-Bahra bin. 2015. Analisis dan Desain Sistem Informasi. Yogyakarta:Graha Ilmu

Wahyono, T. (2004). Sistem informasi. Yogyakarta: Graha Ilmu.

Anggraeni, E. Y. (2017). Pengantar sistem informasi. Penerbit Andi.

Sutabri, T. (2012). Analisis sistem informasi. Penerbit Andi.

Tyoso, J. S. P. (2016). Sistem informasi manajemen. Deepublish.

Atmoko Tjipto. 2012. Standar Operasional Prosedur (SOP). Jakarta: [Skripsi].

Sitorus, E. S., Rajagukguk, D. M., & Lumbanbatu, M. J. (2022). Web-Based Information System Of Sales And Purchase Of Msme Products In The Sidorejo Hilir Village Office. Jurnal Komputer Indonesia (Ju-Komi), 1(01), 1–6. R

Shofari, B.et al. 2018. Dasar Pengelolaan Rekam Medis dan Informasi Kesehatan. Semarang: UDINUS.

Departemen Kesehatan Republik Indonesia. 2019. Peraturan Menteri Kesehatan Republik Indonesia Nomor 43 tahun 2019 tentang Pusat Kesehatan Masyarakat. Jakarta: Departemen Kesehatan RI.

Sugiyono. 2017. Metodologi Penelitian Kuantitatif, Kualitatif dan R&. Bandung: Alfabeta CV.

Sidik, F., & Rahmawati, M. (2018). Perancangan Sistem Informasi Pendaftaran Siswa Baru Berbasis Web Pada SMK Bina Putra Jakarta. Paradigma, 20(1), 119-128.