

Developing an Integrated Register Assembling System: Strengthening Inpatient Data Management for Midwifery Services at Lawang Hospital

Retno Dewi Prisusanti^{1*}, Rizka Andika Sari², Salsabila Syahda Maharani³

^{1,3} Faculty of Science and Technology, ITSK RS dr. Soepraoen, Malang ²Departemen of Lawang Regional General Hospital, Malang

*Coresponding author: salsabilasyhd24@gmail.com

Submited: 20th August 2024; Accepted: 21th October 2025

Doi :https://doi.org/10.36858/jkds.v13i2.789

ABSTRACT

A register is a notebook or list containing names, addresses and so on that are contained in a person's identity. The inpatient assembling register activity at Lawang Hospital is still not carried out optimally, officers in the assembling until still record the register of medical record files manually by writing in the register book, this affects the accuracy of writing patient data from medical record files returning from the ward and efficiency when providing medical record files. The purpose of this study is to improve the quality of patient data recording in register activities in the integrated assembling unit using an electronic system. The research method uses qualitative descriptive with 1 respondent who has been interviewed directly and by direct observation. The results of this study show an overview of the Google Form and spreadsheet designs that have been created and also show significant changes after the switch method using electronic systems. development of the register assembling method for inpatient medical record files has brought positive changes in the efficiency of health information management at Lawang Hospital. This study shows that the application of innovative technology can make it easier for medical record officers to register patient files more efficiently. With the use of Google Forms which is integrated with the spreadsheet of patient data that is inputted, it is easier to read and faster to trace the existence of files that have been assembling.

Keyword: Hospital Data System, Register, Assembling

ABSTRAK

Register merupakan buku catatan atau daftar berisi nama, alamat dan sebagainya yang terdapat pada identitas seseorang. Kegiatan register assembling rawat inap di RSUD Lawang masih belum terlaksana dengan maksimal, petugas di unit assembling masih melakukan pencatatan register berkas rekam medis secara manual dengan cara menuliskan di buku register, hal ini berpengaruh pada ketepatan penulisan data pasien dari dokumen rekam medis yang terdata dari bangsal dan efisiensi pada saat penyediaan berkas rekam medis. Tujuan penelitian ini untuk meningkatkan kualitas pencatatan data pasien pada kegiatan register di unit assembling yang terintegrasi dengan menggunakan sistem elektronik. Metode penelitian menggunakan deskriptif kualitatif dengan responden berjumlah 1 orang yang telah dilakukan wawancara secara langsung dan dengan observasi langsung yang melihatkan gambaran desain Google Formulir dan spreadsheet yang telah dibuat dan juga menunjukkan perubahan yang signifikan setelah peralihan metode menggunakan sistem elektronik. Pengembangan metode register assembling berkas rekam medis pasien rawat inap telah membawa perubahan positif dalam efisiensi pengelolaan informasi kesehatan di RSUD Lawang. Penelitian ini menunjukkan bahwa penerapan teknologi yang inovatif dapat memudahkan petugas rekam medis dalam melakukan register berkas pasien secara lebih efisien. Dengan digunakannya Google Formulir yang terintegrasi dengan spreadsheet data pasien yang terinput lebih mudah terbaca dan lebih cepat untuk telusur keberadaan berkas yang telah di assembling.

Kata Kunci: Sistem Data Rumah Sakit, Register, Assembling

*Correspondence author: salsabilasyhd24@gmail.com

How to Cite: Prisusanti, R. D., Maharani, S. S., & Rizka Andika Sari. Developing an Integrated Register Assembling System: Strengthening Inpatient Data Management for Midwifery Services at Lawang Hospital. *Jurnal Kesehatan Dr. Soebandi*, 13(2). https://doi.org/10.36858/jkds.v13i2.789

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/



ISSN: 2527-7529 (Online

Introduction:

Assembling is a part of the medical records unit responsible examining the completeness and reorganizing medical records documents originating from the wards or sevice units. Before stotage, if there are incomplete medical record documents, they will be returned to the responsible unit. The consequences of not having assembling activities are that the order of the medical record forms becomes disorganized, and the content of the medical record documents does not meet established standards (Situmorang et al., 2023). The functions and roles of assembling in medical record service include assembling medical record forms, examining the content of medical record data, controlling incomplete medical record documents, and managing the use medical record numbers and assembling involves reviewing Additionally. notes made by doctors regarding patient treatment.

A system within an organization that meets the needs of transaction processing, management, and strategic activities is part of the information system in a hospital. With an information system in place, the workload of staff in the assembling unit can be reduced, tasks can be completed more easily, and the results obtained are more accurate and timely (Kharismaputra et al., 2022). Therefore, a deep understanding of managing the assembling of medical record files is a necessity (Prisusanti & Yusfarani, 2024).

The activity of recording the medical record register from the inpatient ward to the assembling unit has not yet been fully optimized, the staff in the assembling unit still manually record the medical record register by writing in a register This can cause difficulties for the assembling staff and filing staff when searching for medical records, which will ultimately affect the time needed to provide the records. The completeness of the assembling register in the hospital already has standards, which are documented in the Standar Operating Procedures (SOP), where the provisions regarding the recording of the inpatient assembling register are stipulated (Fita Rusdian Ikawati & Ratna Wardani, 2022).

Based on the observations conducted by the researcher, it was found that the inpatient medical record assembling register activities at Lawang Regional General Hospital (RSUD Lawang) still primarily use a non-fully integrated manual method. This impacts the accuracy of patient data entry from medical records returning from the wards and the efficiency of providing medical records. Due to this, the filing unit staff face difficulties in tracking the location of patient medical records newly returned from the wards, as they have to check the status in the register book managed only by the inpatient assembling staff. This study aims to facilitate the work of staff in the assembling unit and other related units in performing their respective duties more effectively, and also serves as a transition from manual to electronic systems.

Methods:

This study employs a qualitative descriptive method, which analyzes and describes the research object, namely the integrated inpatient medical record assembling method at Lawang Regional General Hospital (RSUD Lawang). The focus of this research is on the Medical Records unit at RSUD Lawang. The study was conducted from February to May 2024.

Results:

In this study, a method development was conducted to optimize the registration of inpatient medical record documents. This method development process was based on interview collection, observational data gathering user needs involving assembling staff at the Medical Records unit of Lawang Regional General Hospital (RSUD Lawang). Following development, an electronic-based assembling register method using spreadsheets and Google Forms was successfully implemented and tested to evaluate its performance in enhancing the efficiency of assembling register management. Correct registration of data on medical record documents returning from inpatient wards is crucial, as errors can lead to various issues in other units later on (Rizgiyah & Ernawaty, 2016).

The research result indicate significant differences with the new method used. Before

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/



ISSN: 2302-7932 (Print)

implementing the electronic system for the register method, staff registered patient medical record data manually, using a paperless system, often resulting in unclear handwriting. Therefore, the use of sreadsheets and Googke Forms will facilitate staff perfotmance and streamline the creation of computerized reports (Lay Here et al., 2023). This effects the time required for providing medical record documents by the filing unit, which takes more time (Salsabila & Nau, 2020).

1. Flowchart

A flowchart diagram is used to explain the process flow of a program (Maulana et al., 2020). The web-based inpatient medical record file registration using sreadsheets and Google Forms is illustrated in Figure 2. First, the assembling staff log in to Google Forms (as a user), then the staff fill in the patient data according to the available fields. After completing the entry in the Google Forms, the patient data will automatically be input into the spreadsheet integrated with Google Forms.

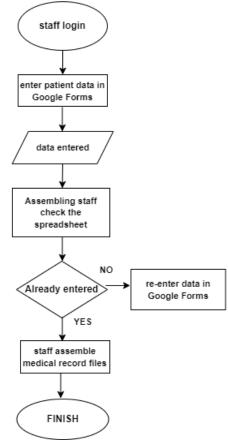


image 1 Flowchart of the registration process MRD

2. ERD

The information system for the return and registration of medical record files at RSUD Lawang consists of several tables, namely the Nurse Table, Return Table, Staff Table, and Register Table. Below is the Entity Relationship Diagram for the return and registration of medical record files.

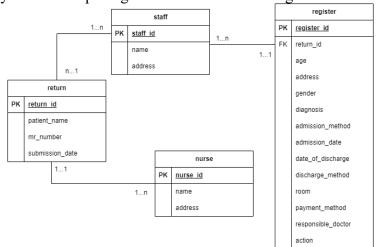


image 2 ERD for MRD return and registration

After creating the entity relationship diagram, it is grouped into several tables that will be used for the web-based inpatient medical record file registration spreadsheet at RSUD Lawang. The process includes naming fields, selecting data types in detail, and determining indexes (primary key/PK) and (foreign key/FK) to establish relationships between tables.

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/



STINGES ARREST GENERAL STRIBBER REKTORAT & CONVENTION HALL ISSN: 2302-7932 (Print) ISSN: 2527-7529 (OnLine

3. Medical Record Document Registration Design

a. Patient Data Registration Form on Google Forms

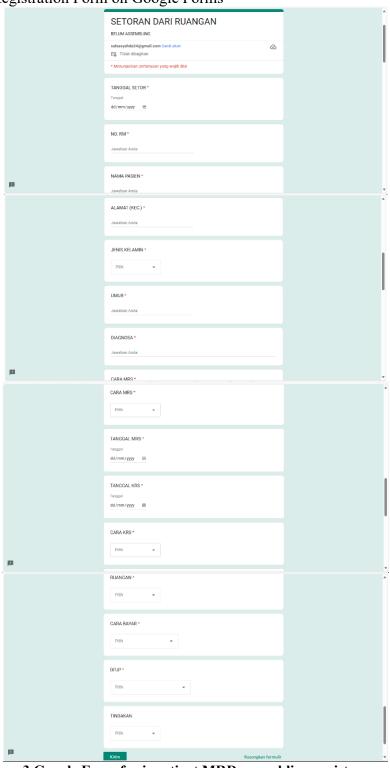


image 3 Google Form for inpatient MRD assembling register

The transition form a paperless method to an electronic system in the inpatient medical record assembling register activities offers various conveniences. The purpose of this transition is to

arrange data more neatly and in an organized way, making it easier for assembling staff to quickly enter patient data.

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/



With the use of Google Forms, it is easier for assembling staff to input patient data as it can be filled in throught various devices, such as smartphones and laptops. It also helps the filing staff to track the location of inpatient medical record files. Additionally, assembling staff can quickly and easily register data, ensuring that

patient data is not only accurate but also complete, thus improving both the efficiency and organization of the medical record management process, wich ultimately contributes to the overall enhancement of health information management quality in the hospital.

b. Design of the Return and Patient Data Registration Form on Spreadsheet

田		EMBLING RAWAT IN							③ □	O -	Bagikan	- 8
	File Edit Tamp	ilen Sisipken Formet	Data Alat F	Ekstensi Bentuar	n							
Q,	5 0 0 5	100% * Rp %	A. A. 123	Defaul +	- 10 + B	I 0 A	<u>.</u> . ⊞ €	3 × = × ±	+ + <u>+</u> +	∞ ± €	γ 🗎 - Σ	^
	▼ jk TANGO	SAL SETOR										
	A	8	c		0		E	F	0		н	
ı	ANGGAL SETOR	NO. RM	NAMA P	ASIEN	ALAM	AT JENE	S KELAMIN	UMUR	DIAGNOSA		DESKRIPSI KOD	E DIAGNO
	30/06/2024	000000	DIMITRIVE		MALAI		L	3	A90	Dengue f		
	30/05/2024	000001	CHRISTIAN	BENNY	SAMARI	NDA	L	30	145		ropedied	
	30/06/2024	000002	REGINA HA	RIVANTO	LAWA	NG	P	28	A15.0	Tubercula with or wi	sis of lung, confi frout culture	med by sp
	30/05/2024	000003	JHONATAN	PUTRA	SINGOS	SARI	L	19	K21.9		cophageal reflux	citemore v
	30/05/2024	000004	HANGGAWA	CHANDRA	CILED	UG	L	68	806.5	Traumati	subdural haemo	orhage
+												
+												
3	File Edit Tamp	EMBLING RAWAT IN	Data Alat F	Ekaterai Bentuer					७ ■	□ • •	Bagikan	
3	File Edit Tampi 5 라 급 중 중	ilen Sisipkan Formet * 100% * Ro %				1 0 <u>A</u>	_ è. ⊞ €	÷ - ± - ± -		_	å Begiken y '⊞ + Σ	• ^
3	File Edit Tampi 5 라 급 중 중	ilen Sisipken Formet 100% = Rp % BESI KODE DIASKOSA	Data Alat E	Eksteroli Bentuar Defaul +	- 10 + B				+ + <u>A</u> +	∞ 1 €	Υ 🖫 - Σ	
В	File Edit Tamp to 라 중 등 * jk DESKR	ilan Sisipkan Format 100% = Rp % NFSI KODE DIAGNOSA	Date Alet F	Ekatensi Bentuar Defaul •	- 10 + B	L	м	N	+ + <u>+</u> +	∞ 1	Υ 🖫 = Σ	
Q	File Edit Tamp to 라 중 중 * je DESKR DESKRIPSH	ilen Sisipken Formet 100% = Rp % BESI KODE DIASKOSA	Date Alat F	Defeul TANGGAL MRS	= 10 + B	L CARA KRS	N RUANGAN	N CARA BAYAR	- -> × <u>A</u> × DF	∞ ₽ Œ	Υ 🖫 - Σ	
0,	File Edit Tamp to 라 중 등 * jk DESKR	ilan Sisipkan Format 100% = Rp % NFSI KODE DIAGNOSA	Date Alet F	Ekatensi Bentuar Defaul •	- 10 + B	L	м	N	P → A → DF dt ALEXAN	⇔ ₽ Œ	Υ 🖫 = Σ	
Q DA	File Edit Tamp to d 母 写 v ji: DESKRIPSII engue tover shrims, uropediled observators of lung o	illen Sisipkan Format 100% - Rp % RFSI KODE DIAGNOSA M KODE DIAGNOSA	Date Alat E	Defaul + TANGGAL MRS 21/05/2024 22/05/2024	K TANGGAL KRS 20/05/2024 27/05/2024	CARA KRS SEMBUH RUJUK	N RUANGAN JASMINE ANOCREK	CARA BAYAR UMUM UMUM	DF dr. ALEXAN	OF E	Υ 🖫 = Σ	
Q D A	File Edit Temp to 라 급 등 등 * js: DESKR DESKRIPSI engue tever shirms, unopedified berculosis of lung is the or officual culture	illen Skipkan Format 100% • Ro % HESI NODE DIAGNOSA H KKODE DIAGNOSA confirmed by sputum micros	Data Alat E #_ ## T23 CARA MRS BARU LAMA	Defaul + 1 TANGGAL MRS 21/05/2024 23/05/2024	K TANGGAL KRS 28/86/2024 27/85/2024	CARA KRS SEMBUH RIJUK	N RUANGAN JASMINE ANCOREK ANTHURIUM	CARA BAYAR UMUM UMUM BPJS	DF d: ALEXA d: FERNA d: FERNA	OF E	Υ 🖫 = Σ	
D A	File Edit Temp to 라 급 등 등 * js: DESKR DESKRIPSI engue tever shirms, unopedified berculosis of lung is the or officual culture	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Data Alat E #_ ## T23 CARA MRS BARU LAMA	Defaul + TANGGAL MRS 21/05/2024 22/05/2024	K TANGGAL KRS 20/05/2024 27/05/2024	CARA KRS SEMBUH RUJUK	N RUANGAN JASMINE ANOCREK	CARA BAYAR UMUM UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF E	Υ 🖫 = Σ	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alst F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alst F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alst F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alst F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alst F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alst F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alat F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alat F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alat F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alat F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alat F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	
D A T	File Edit Tamp DE SKRIPSI DESKRIPSI engue tover shims, uropadied observatoris of lung a to or effout outbres codou-corresponged to	illen Sisipkan Format 100% = Rp % HESI KODE DIAGNOSA KODE DIAGNOSA confirmed by sputum micros sillus diesece without descrip	Date Alat F .sss. 123 CARA MRS BARU LAMA LAMA LAMA	Defeul +	K TANGGAL KRS 20/05/2024 27/05/2024 28/05/2024 29/05/2024	CARA KRS SEMBUH RUUK MENINGGAL SEMBUH	N RUANGAN JASMINE ANCOREK ANTHURIUM FLAMBOYAN	CARA BAYAR UMUM UMUM BPUS UMUM	DF dt ALEXAI dt FERNA dt FERNA dt SHEP	OF THE	Y B × Σ TINDAKAN	6

image 4 Spreadsheet for inpatient MRD assembling register

The analys of method developments shows positive results. The time required for inputting and searching for patient medical record file information has significantly improved after implementing electronic method. Feedback from users indicates that they are satisfied with the update registration method, which is easier to use. Therefore, the result of this research significantly support the enhancement of efficiency and accuracy in healt data management at RSUD lawing through the application of innovative technology.

Discussion:

The results of this research highlight the transition of inpatient medical record file registration methods at the inpatient assembling unit of Lawang Regional General Hospital (RSUD Lawang). The use of electronic methods has proven to significantly contribute to minizing the time required for assembling staff to input patient data during the registration phase. Effectiveness that is achieved not only reduces the likelihood of errors but also improves the efficiency of data management.

The results of this research are important not only in terms of operational aspects but also in

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/



ISSN: 2527-7529 (OnLine

terms of their impact on the quality of medical services. The implementation of an integrated data registration method makes health information management more systematic and organized, while also providing opportunites fo staff in the inpatient assembling unit to focus more on other critical clinical tasks.

This study underscores the importance of implementing innovative technology, such as transitioning registration methods, can address complex challenges in patient data management within medical record files. With this transition in registration methods, significant improvements in work efficiency are evident.

This research highlights a specific focus on the method transition in the context of inpatient madical record file registration at the assembling stage. Through direct comparison and the author's analysis on-site, it can be seen that this study provides a specific contribution by presenting more targeted solution to enhance efficiency in patient data management during the registration process at the hospital.

It is hoped that the results of this study will have a significant impact on improving hospital operational efficiency and enhancing overall quality healthcare services. By connecting the findings of this research with relevant literature and events, we can better understand that the application of technology, particularly the spreadsheet-based register method, is a progressive step in enhancing the quality of healthcare services.

This research also provides broader insights into the potential and benefits of developing technology in medical information management. It is important to acknowledge that transitioning registration methos with spreadsheets is a strategic step in enhacing the effectiveness of healthcare information management in hospitals (Saufinah et al., 2023). These findings can be implemented in various hospitals to introduce innovations in patient data management, with the primary goal of improving the quality of healthcare services.

Conclusions:

The development of the inpatient medical record assembling register method has brought

positive changes to the efficiency of health information management at Lawang Regional General Hospital (RSUD Lawang). This research indicates that the use of innovative technology can accelerate and simplify the process of patient record registration by medical record staff. This provides a strong foundation for hospitals and other healthcare institutions to evaluate and adopt similar or further developments to improve service quality and enhance operational development, it is efficiency. For future recommended to continuously evaluate and improve the methods used based on user feedback and to involve more relevant parties in the implementation process. It is also hoped that the method can be integrated with the Hospital Information System (SIMRS). Thus, the use of innovative technology is expected to continue making posistive contributions to improving health information management and overall medical services. (Retno Dewi Prisusanti s.st., 2022).

References:

Adnyana, I. M. D. M. (2021). Populasi dan Sampel. Method, Penelitian, Pendekatan Kuantitatif.

Fita Rusdian Ikawati, & Ratna Wardani. (2022). Evaluation of Inaccuracy Analysis of Returning Inpatient Medical Record Documents at "X" Hospital in Malang City. *Journal for Quality in Public Health*, 5(2), 694–702.

https://doi.org/10.30994/jqph.v5i2.375

Hikma, F., Farlinda, S., & Kurniawan, M. A. (2015). Sistem Informasi Peminjaman dan Pengembalian Berkas Rekam Medis Rumah Sakit Umum Daerah dr. Soebandi Jember. *Seminaskit*, 269, 189–195.

Kharismaputra, A. P., Rizkyana, F. W., & Susanti, A. (2022). Sistem Informasi Administrasi Perkantoran: Meningkatkan Efisiensi dan Produktivitas. *Business and Accounting Education Journal*, 3(3), 402–407.

https://doi.org/10.15294/baej.v3i3.68922

Lay Here, R., Abdussalaam, F., & Sari, I. (2023).

Desain Tata Kelola Rekam Medis Dalam
Sistem Pelaporan Pasien Hemodialisa

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/





- Dengan Metode Waterfall Studi Kasus Rsud Al-Ihsan. *Media Bina Ilmiah*, *17*(10), 2907–2912.
- Maulana, M., Wicaksono, A. P., & Deharja, A. (2020). Pembuatan Aplikasi Peminjaman Berkas Rekam Medik Berbasis Web di RSUP Klaten. *J-REMI: Jurnal Rekam Medik dan Informasi Kesehatan*, 2(1), 149–154. https://doi.org/10.25047/j-remi.v2i1.2153
- Prisusanti, R. D., & Yusfarani, D. (2024).

 Masyarakat Sehat, Data Berkualitas:
 Pelatihan Rekam Medis Untuk Petugas
 Kesehatan Lokal. *Community* ..., 5(2),
 2960–2965.
 - http://journal.universitaspahlawan.ac.id/inde x.php/cdj/article/view/26663
- Retno Dewi Prisusanti., S. M. (2020). *Metodelogi Penelitian*. CV. MEDIA SAINS INDONESIA.
- Retno Dewi Prisusanti s.st., M. K. (2022). Metodologi Penelitian Kuantitatif, Kualitatif Dan Kombinasi (vol. 2 252). CV. MEDIA SAINS INDONESIA.
- Rizqiyah, R., & Ernawaty, E. (2016). Analisis Sistem Pengelolaan Rekam Medis Rawat Inap Di Rumah Sakit Islam Jemursari Surabaya. *Jurnal Ilmiah Kesehatan Media Husada*, 5(2), 191–200. https://doi.org/10.33475/jikmh.v5i2.178
- Salsabila, S., & Nau, K. Y. C. (2020). Tinjauan Pelaksanaan Pengumpulan, Validasi dan Verifikasi Data Rekam Medis Guna Mendukung Laporan Eksternal (RL4a dan RL5) di Rumah Sakit Umum Kabupaten Tangerang. *Prosiding 4 SENWODIPA 2020*, 4(0), 39–46.
- Saufinah, M., Saufinah Pane, M., Fanisya, N., Rizkina, S. R., Nasution, Y. P., Agustina, D., Studi, P., Kesehatan, I., & Masyarakat, K. (2023). Sistem Informasi Manajemen Rumah Sakit (SIMRS) Untuk Meningkatkan Mutu Pelayanan Kesehatan Di Indonesia. *Inovasi Riset Ilmu Kesehatan*, 1(3), 5–6.
- Setiatin, S., & Abdussalaam, F. (2021). Perancangan Sistem Informasi Peminjaman dan Pengembalian Rekam Medis Rawat Jalan di Rumah Sakit Muhammadiyah Bandung. 6(2), 139–151.

- Setiawan, N. (2019). *Metodologi penelitian:* pengolahan dan analisis data. Inspektorat Jendral Departemen Pendidik, Nas.
- Situmorang, M., Putri, W., & Windharti, C. (2023). Analisis Pelaksanaan Assembling Berkas Rekam Medis Rawat Inap Di Rumah Sakit X Tahun 2022. *Warta Dharmawangsa*, 17(2), 798–806. https://doi.org/10.46576/wdw.v17i2.3189
- Sujarweni, V. W. (2017). *Metodologi Penelitian*. Paper Plane.
- Supriyadi, S. M. (2014). *Statistik Kesehatan*. Salemba Medika.

Jurnal Kesehatan dr. Soebandi Vol. 13, No.2

http://journal.uds.ac.id/