

Riau Regional Water Police Personnel Transfer Information System

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Abstract – In each agency or police organization, they often carry out a series of placement or transfer activities. Movements in a company or organization are made for certain interests of the company or its individual property. In this case, many members of the Riau Regional Water Police filed a transfer so that Pol Airut had difficulty determining which members had the right to be transferred. Currently the development of technology is very fast, computers are used not only as data processing but also as a solution to solving problems in various fields of science, one of which is the Riau Regional Water Police Transfer Information System. This system has added value in determining the transfer of members of the Riau Regional Water Police, because it can determine the transfer of members quickly, precisely and efficiently. Where previously the transfer process at the Riau Airut Police was only done manually where when filling in the data for the prospective transfer form, it needed a lot of space for file storage when data was needed, the administrative personnel had to find paper by unloading the pile of paper, of course this way of selling work becomes longer and inefficient.

Keywords – Systems, Information, Personnel Movements, Functions.

I. INTRODUCTION

The Riau Regional Marine Police is a collaboration between the Riau Regional Police in carrying out the functions of the police which includes patrols, as well as first handling of criminal acts, law enforcement to search or rescue accidents in the sea areas and fostering coastal communities as well as fostering water functions within the Regional Police. The Riau Regional Water Police is located on Prambanan, Pekanbaru City.

As an organization, the regional police must also be supported by competent human resources (Siswandi, 1999; Mudjiono, 2000). One of the missions of the Regional Police is to manage human resources professionally in achieving its goals, namely the realization of domestic security, so that it will encourage the improvement of the quality of life of the community. This mission is the basis of efforts to foster and develop the competence of human resources in the Regional Police. By having a mission that touches on the human resource aspect, the Regional Police have actually tried to commit to good quality competence for its members.

A good achievement of organizational goals is reflected in the increased contribution generated by human resources. Human resources that are generated from good recruitment will certainly produce good members as well. Likewise, members who have worked professionally, of course, expect an increase in their employment status as evidence of institutional appreciation for their performance in the form of job transfer or promotion (Awaloedin, 1995; Siagian, 2007; Melyantri and Andreas, 2017).

In the process of recording the candidates of personnel transfer of the Riau Regional Water Police, which is carried out manually when filling in the data in the forms, and requires a lot of space for file storage and when data is needed, administrative personnel must find paper by unloading piles of paper makes it took longer to complete. By the description of this problem, the author wishes to assist to change the existing information delivery system, making it easier for all stakeholders in the Riau Regional Water Police on Prambanan street, Pekanbaru City.

II. METHODS

This research methodology uses the waterfall approach, namely the work of a system is done sequentially or linearly. So each stage must be completed first in full before moving on to the next stage to avoid repetition of the stages. Broadly speaking, the waterfall method has the following steps: Requirements Analysis and Definition, System and Software Design, Implementation, Integration and System Testing, Operation and Maintenance (Kristanto, 2007; Bunafit, 2008; Abdul, 2014; Febriani et al, 2020; Melyanti and Iqbal, 2020; Melyanti et al, 2020).

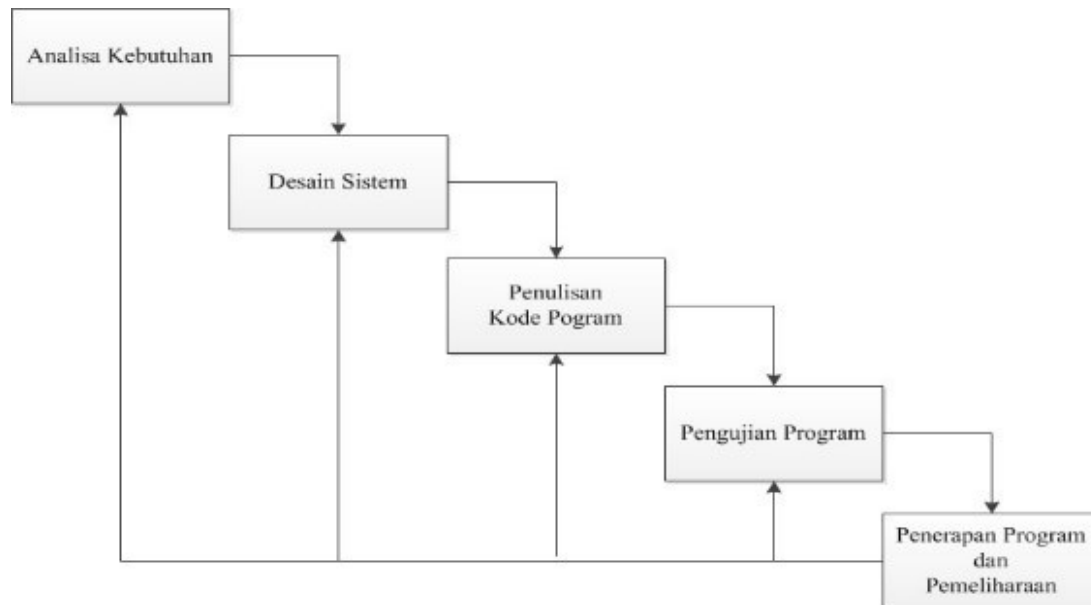


Fig 1. Research Method

The stages are as follows:

Requirement Analysis and Definition : This step is an analysis of system requirements. Collecting data at this stage can be carried out by conducting a study, interview or literature study. The system analyst will extract as much information as possible from the user so that a computer system can be created that can perform the tasks desired by the user. This stage will produce a user requirement document or it can be said as data related to the user's wishes in making the system. This document will become a reference for the system analyst to translate into programming language.

System and Software Design: The stages is where thoughts are revealed and system design is carried out on solutions to existing problems using system modeling tools such as data flow diagrams, entity relationship diagrams and data structure and discussion.

Writing Program Code: or coding is the translation of designs in a language that can be recognized by computers. It is performed by the programmer who will translate the transactions requested by the user. This stage is a real stage in working on a system. It means that computer use will be maximized at this stage. After the coding is complete, testing will be carried out on the system that was created earlier. The goal of testing is to find errors in the system and then fix them.

Program Testing: This is the final stage, in which the new system is tested for its capabilities and effectiveness so that the system's deficiencies and weaknesses are found. After that, it conducts a review and improvement of the application to be better and perfect.

Program Implementation and Maintenance: The software that has been delivered to customers will definitely undergo changes. Such changes can be due to errors because the software has to adapt to the environment (new peripherals or operating systems), or because the customer needs functional development.

III. RESULTS AND DISCUSSION

After carrying out a series of planning and designing activities for making web applications as a medium to help the personnel transfer process where the system is ready to operate in actual conditions, from here it will be known whether the system created can actually produce the desired goals. Before the system is implemented, the system must first be free from language writing errors, errors during processing or logic errors. After the system is error free, the system is tested by opening the existing pages. The following is the main menu display (Fig 2) which can be seen as follows:



Fig 2. Main Page Display

The following is the Personnel Login display, which is only filled in with the Membership Card Number (KTA) and the Password that is already owned, which can be seen in Fig 3 below:

The screenshot shows a 'Login Personil' window. It contains two input fields: 'NO KTA' with a placeholder 'Nomor KTA' and 'Password' with a placeholder 'Password'. At the bottom are two buttons: 'Tutup' (Close) and 'Masuk' (Login).

Fig 3. Personnel Login Display

The following is the appearance after Personnel Login, which is the main menu after login, can be seen in Fig 4.

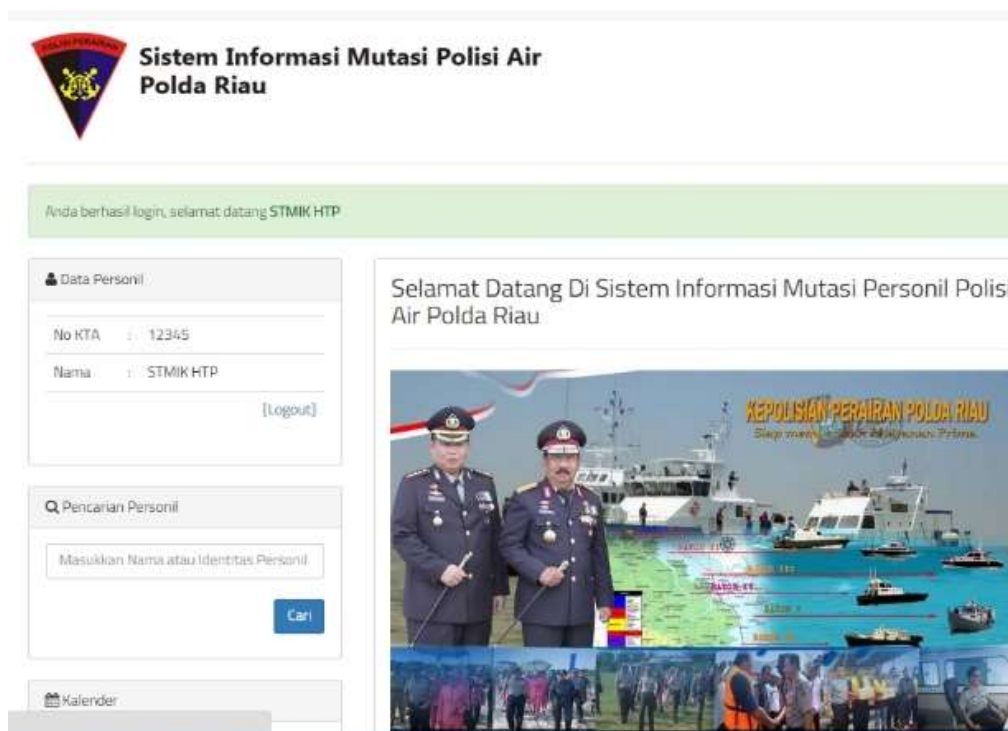


Fig 4. Views After Login Personnel

Display of submission of personnel transfers, can be seen in Fig 5 below.

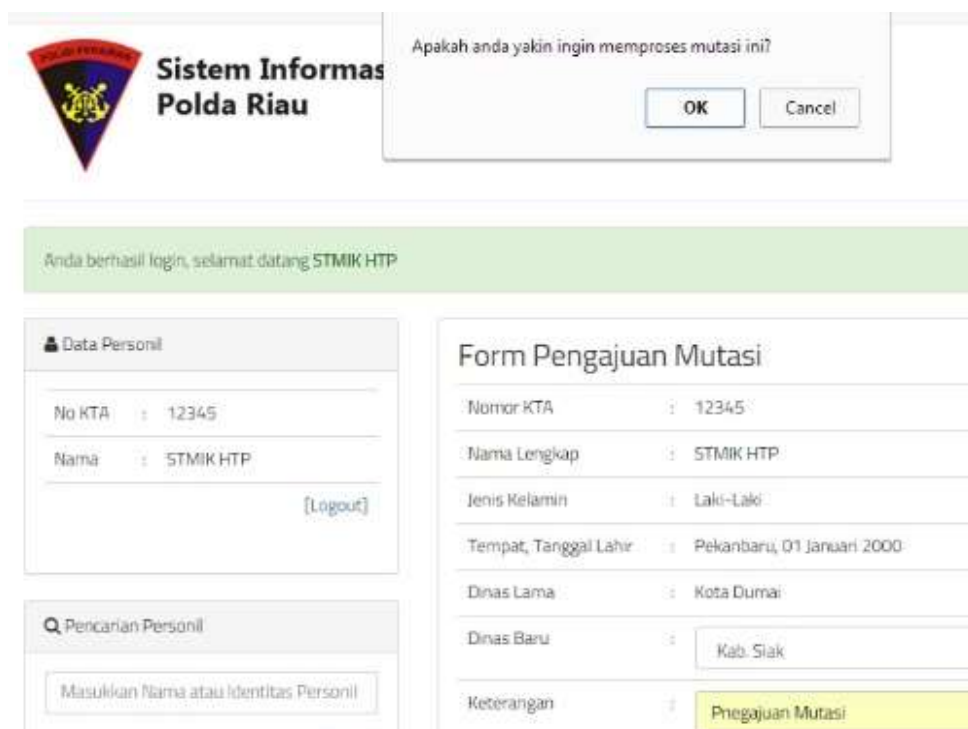


Fig 5. Display of Transfer Submissions

After submitting a personnel transfer application, then waiting for approval by the administrator, which will be checked first. The display can be seen in Fig 6 as follows:



Fig 6. Views After Submission of Transfers

Administrator Login Display

Administrators can also log into the system, following the Administrator Login display, which can be seen in Fig 7.



Fig 7. Administrator login display

After Login Administrator, there is the main menu for the administrator. It can be seen from the display as follows:



Fig 8. Display After Administrator Login

The following is a display that shows a transfer application, which is contained in the Transfer menu in the administrator login that can be seen in Fig 9 below:

No	Nomor KTA	Nama Lengkap	Tanggal Pengajuan	Status	Aksi
1	12345	STMIK HTP	22 Januari 2017 21:27:57	Penerimaan Pengajuan	[Edit] [Hapus]
2	22222	M RUSKI	22 Januari 2017 20:39:41	Belum Diverifikasi	[Edit] [Hapus]
3	1403021766	Suhandri Daulay	22 Januari 2017 11:21:44	Belum Diverifikasi	[Edit] [Hapus]

Fig 9. Views of the Personnel Submitting Transfers

The display of user data in the administrator function, which is contained in User data in the administrator login can be seen in Fig 10 as follows:

No	Nama Lengkap	Username	Level	Aksi
1	administrator	admin	Admin	[Edit] [Hapus]
2	Kombes Pol Deny Pudjianto, STK, M.Si	pimpinan	Pimpinan	[Edit] [Hapus]

Fig 10. Display User Data Input

The following is a tool in the Reports menu in the administrator login, it can be seen in Fig 11 as follows:

No	Nomor KTA	Nama Lengkap	Tempat, Tanggal Lahir	Pangkat	Wilayah Kerja	Wilayah Mutasi	Status
1	1403021766	Suhandri Daulay	Medan, 20 Februari 1996	Kombes Pol	Direktur Pol Air	081267336629	Belum Diverifikasi
2	22222	M RUSKI	Bengkalis, 11 Maret 1994	Kombes Pol	Direktur Pol Air	082388027117	Belum Diverifikasi
3	12345	STMIK HTP	Pekanbaru, 01 Januari 2000	Brigada	Rednin	082289002920	Penerimaan Pengajuan

Fig 11. Display Personnel Data Submitting Transfers

And for the overall data display of personnel transfers can be seen in Fig 12 below:



Laporan Data Personel
Sistem Informasi Mutasi Polisi Air
Polda Riau

DATA PERSONEL

No	Nomor KTA	Nama Lengkap	Tempat, Tanggal Lahir	Pangkat	Jabatan	Telp	Wilayah Kerja
1	001	Andi	Medan ,11 Januari 2017	Bribda	Kaop	0812454	Kota Pekanbaru
2	12345	STMIK HTP	Pekanbaru ,01 Januari 2000	Bribda	Redmin	082289002920	Kota Dumai
3	1403021766	Suhandri Daulay	Medan ,20 Februari 1996	Kombes Pol	Direktur Pol Air	081267336629	Kota Pekanbaru
4	22222	M RISKI	Bengkalis ,31 Maret 1994	Kombes Pol	Direktur Pol Air	082308027187	Kab. Indragiri Hilir

Fig 12. Overall Data Display of Personnel Transfers

Meanwhile, for the Leader Login can be seen in the following display.

Login Administrator

• [Halaman Utama](#)

Fig 13. Leadership Login Display

The following is a menu display for the transfer of personnel data that have been checked by the administrator and will be accepted or not by the leader of organization, as shown in Fig 14 below.

Administrator
Home
Pengajuan Mutasi
peminan

Data Permohonan Mutasi

Kembali

Nomor KTA	:	12345	Pangkat	:	Bribda
Nama Lengkap	:	STMIK HTP	Jabatan	:	Redmin
Jenis Kelamin	:	Laki-Laki	Wilayah Kerja	:	Kota Dumai
Telepon	:	082289002020	Wilayah Mutasi	:	Kab. Siak
Alamat	:	Jln. Mustafa Sari, No.05 Tangkerang Selatan Pekanbaru	Keterangan	:	Pengajuan Mutasi
Tempat Lahir	:	Pekanbaru	Tanggal Pengajuan	:	22 Januari 2017 21:27:57
Tanggal Lahir	:	2000-01-01	Status	:	Peminan Revisi

Tolak Pengajuan
Terima Pengajuan

Fig 14. Display of Personnel Transfer Submission to be Processed

The display of the information menu received by personnel who have submitted transfers application form and accepted by the leader can be seen in Fig 15. Below

Polisi Perairan Polda Riau
Beranda
Mutasi
Pemberitahuan
Logout


**Sistem Informasi Mutasi Polisi Air
Polda Riau**

Anda berhasil login, selamat datang STMIK HTP

Data Personil

No KTA : 12345
Nama : STMIK HTP
[Logout]

Pemberitahuan Mutasi

No	Wilayah Mutasi	Tanggal Pengajuan	Status
1	Kab. Siak	22 Januari 2017 21:27:57	Disetujui

Fig 15. Display of Received Personnel Transfer Notification

And the display of the information menu of personnel who have submitted transfers application but not accepted by the leader, can be seen in Fig 16 below.

Polisi Perairan Polda Riau
Beranda
Mutasi
Pemberitahuan
Logout


**Sistem Informasi Mutasi Polisi Air
Polda Riau**

Anda berhasil login, selamat datang STMIK HTP

Data Personil

No KTA : 12345
Nama : STMIK HTP
[Logout]

Pemberitahuan Mutasi

No	Wilayah Mutasi	Tanggal Pengajuan	Status
1	Kota Pekanbaru	22 Januari 2017 21:35:39	Tidak Disetujui

Fig 16. Display of Not Accepted Personnel Movements Notification

IV. CONCLUSION

By the completion of all research activities, system analysis, program design, implementation, and discussion, researchers conclude that 1) By having web applications as a medium of information, it makes it easier for the Riau Regional Water Police in obtaining information on personnel transfers; and 2) Web-based applications at the Riau Regional Water Police can be a medium for personnel data information that can be accessed anywhere and anytime.

REFERENCES

- [1] Ali, M. (2004). Guru Dalam Proses Belajar Mengajar. Bandung: Sinar Baru Algensindo
- [2] Bunafit Nugroho. (2008), Aplikasi Pemrograman Web Dinamis Dengan PHP dan MySQL, Gava Media, Yogyakarta.
- [3] Djamin, Awaloedin. 1995. Manajemen Sumberdaya Manusia 1; Kontribusi Teoretis
- [4] Febriani, A., Melyanti, R., and Syahputra, R. W. 2020. Sistem Informasi Donor Darah Berbasis Android Pada Unit Transfusi Darah Palang Merah Indonesia (Utd Pmi) Kota Pekanbaru. Jurnal Ilmu Komputer, 9(1), 11-19.
- [5] Kadir, Abdul. 2014. Pengenalan Sistem Informasi. Andi Offset. Yogyakarta
- [6] Kristanto, Andri. 2007. Perancangan Sistem Informasi dan Aplikasinya. Gava Media. Yogyakarta.
- [7] Melyanti, R., and Andreas, Y. 2017. Sistem E-wisata pada Dinas Pariwisata di Kota Pekanbaru Berbasis Android. Jurnal Ilmu Komputer, 6(2), 124-127.
- [8] Melyanti, R., and Iqbal, M. 2020. Sistem Informasi Manajemen Penelitian Dan Pengabdian Masyarakat Di Bagian P3m (Studi Kasus: Stmik Hang Tuah Pekanbaru). Jurnal Ilmu Komputer, 9(2), 165-176.
- [9] Melyanti, R., Irfan, D., Ambiyar, A., Febriani, A., and Khairana, R. 2020. Rancang Bangun Sistem Antrian Online Kunjungan Pasien Rawat Jalan Pada Rumah Sakit Syafira Berbasis Web. INTECOMS: Journal of Information Technology and Computer Science, 3(2), 192-198.
- [10] Mudjiono. 2000. Sistem Kepegawaian Daerah. (online), (<http://tujuan-mutasi-pegawai/com>, diakses tanggal 14 Oktober 2011).
- [11] Siagian, Sondang P. 2007. Manajemen Sumberdaya Manusia. Jakarta: Bumi Aksara.
- [12] Siswandi. 1999. Manajemen Sumber Daya Manusia. (online), (<http://sebab-sebab-mutas-pegawai/com>, diakses tanggal 14 Oktober 2011).