INFORMATION SYSTEM DATA PROCESSING OF HONOURABLE JOURNALIST AND AUTHOR PT GALAMEDIA BANDUNG PERKASA

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ABSTRACT

PT. Galamedia Bandung Perkasa is a company engaged in the information. The information presented each day to the general public. It can not be detached from the role of journalists and writers both in and outside. Herefore, PT Galamedia Bandung Perkasa require a system of information that can help in any process that will be published news and royalty payment process for each journalist.

Information System Data Processing Honourable Journalists and Author built by performing a case study in PT Galamedia Bandung Perkasa. Technique of collecting data is done through observation methods, interview and literature study.

Based on the analysis and testing that was done, it can be concluded that the information system that can help build this PT Galamedia Bandung Perkasa process data in honor of journalist and author, and generate information that is accurate so that it can be used to help complete the problems associated with royalty journalist and author.

1. Introduction

1.1 Problem identification

Based on the issues contained in the Secretary-General daily Directors Galamedia especially in transaction processing fees, then the problem can be formulated in the background above is how to build a Data Processing Information Systems Honor Journalists and Authors in the PT. Galamedia.

1.2 Library Overview

1.2.1 History

PT. Galamedia Bandung Perkasa (Pikiran Rakyat Group) standing in Bandung in 1968. This company specializes itself engaged in newspaper publishing. The name of the publication of newspapers is a common daily Gala. General daily Gala originally came from a sundanese magazine published by permission Tjampaka published by CV Tjampaka, led Sukandi Andrias Wasoma. Agency submitted publishers around August 1968 to Syamsyar Adnan, who then turn the magazine into a weekly newspaper Galamedia.

Galamedia the general daily local publications specializing Bandung Raya, while the national news and other news just to complete. General daily Galamedia addressed to all levels of society, but more emphasis on consumers' middle to lower layer. The emphasis of the story is news and news crime cases with the view presented in an ethical story, sharp, and accurate as the motto of the General Daily Galamedia.

1.2..2 Place and Position Company

Administrative offices of PT. Galamedia / Circulation addressed advertising on Jl. Sekelimus Barat No. 6 Bandung Call (022) - 7511286 Fax (022) 7505009.

PT Galamedia Bandung Perkasa typical which has a more corporate-oriented marketing aimed at public consumption of all classes of society, especially in West Java, besides General Daily Galamedia company also has a typical cirri that distinguishes it from other general daily, there is a column with sundanese.

1.3 Research Objectives

The purpose of the research is based on problems that arise is to build data processing information system Honor Journalists and Authors in the PT. Galamedia.

The goals of this research are:

1. Facilitate editorial staff secretary in the data processing fees and journalists every day or every period
2. Facilitate editorial staff secretary in the calculation of salary costs incurred by journalist companies
3. Facilitate editorial staff secretary in the search for transaction data in the form of installation of writing news and photos to be published in the newspaper to be published.
4. Facilitate the management staff editor of pricing categories in the form writes and photos.
5. Facilitate editorial staff secretary in the manufacture per periods reports per day and more quickly and accurately.

2. Models, Analysis, Design and Implementation

2.1 Research model

Software process model is an abstract representation of software processes. Every the model process of presenting a particular perspective that only provide partial information about the process. The models of software processes.

Waterfall model is the paradigm of software engineering the most extensive and oldest. Waterfall model proposes an approach to software development is systematic and sequential starting at the system level and progress throughout the analysis, design, code, testing and maintenance. After each stage is defined, the stage of 'ends' (signed off) and development continues to the next stage.

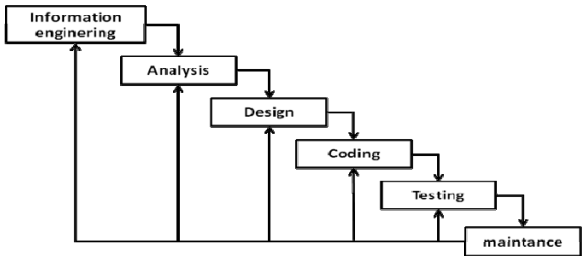


Figure 2.1 waterfall method

2.2 System Analysis

The system analyzed is a system that is running in PT. Galamedia which this analysis can be defined as the decomposition of a complete system into its component parts in order to make it easier to identify and evaluate the problems, opportunities, obstacles occur, and the needs that can be expected that the proposed repairs . In the system analysis phase should be done carefully in order to know in detail the existing system currently running, the things that will be analyzed include:

1. Problem.

Based on the results of research conducted by the author, PT. Galamedia requires a system of information that can assist in data processing fees either journalists or reporters in foreign reporters. System information is also useful to facilitate the installation of data processing transactions conducted by news reporters besides speed in preparing the report.

2. Procedures involved

procedure is the sequence of steps that occur or are performed in one system. Procedures involved in data processing information system honors journalists and writers who went on PT. Galamedia today is as follows:

a) Installation procedures, and news articles via the Internet.

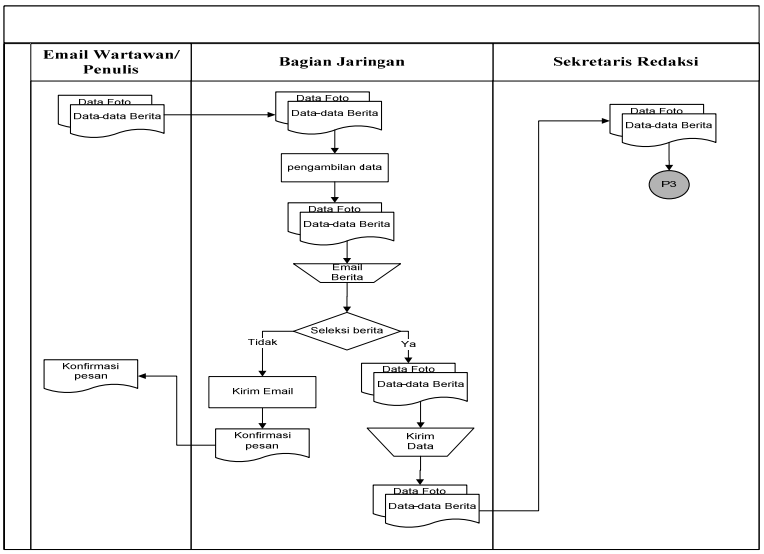


Figure 2.2.1 installation procedure flowmap news via internet

b) Installation procedures, and news articles directly

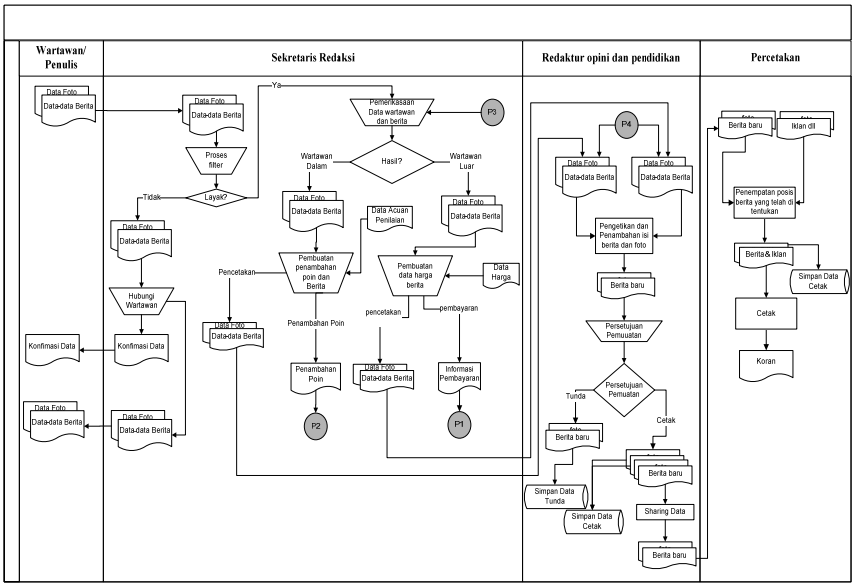


Figure 2.2.2 installation procedures and news articles directly

c) procedures for payment of honorariums journalists and writers outside

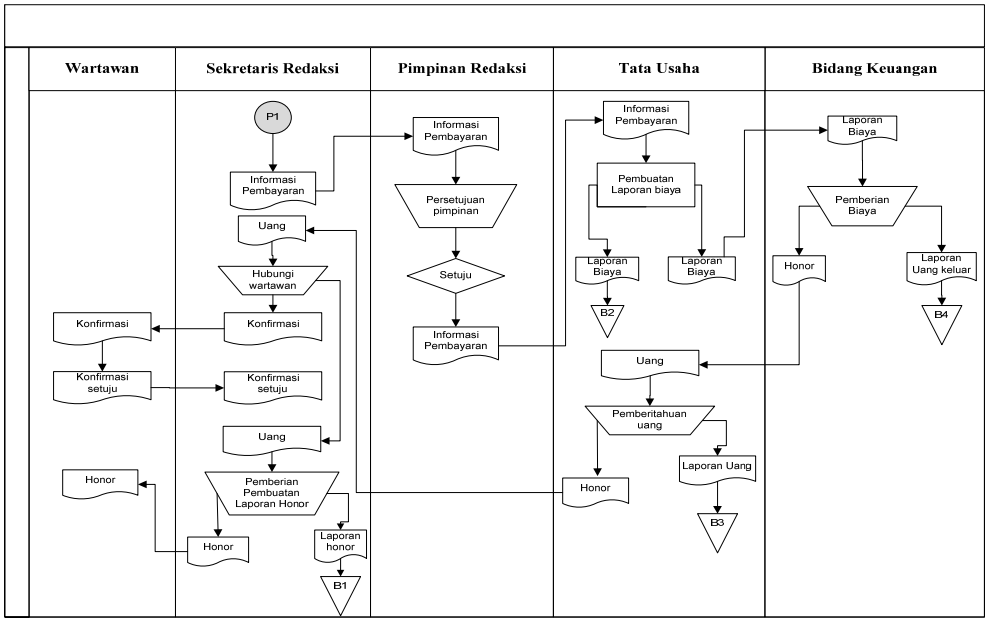


Figure 2.2.3 fee payment procedure outside journalists and writers

d) procedures for the addition of a journalist and writer points in

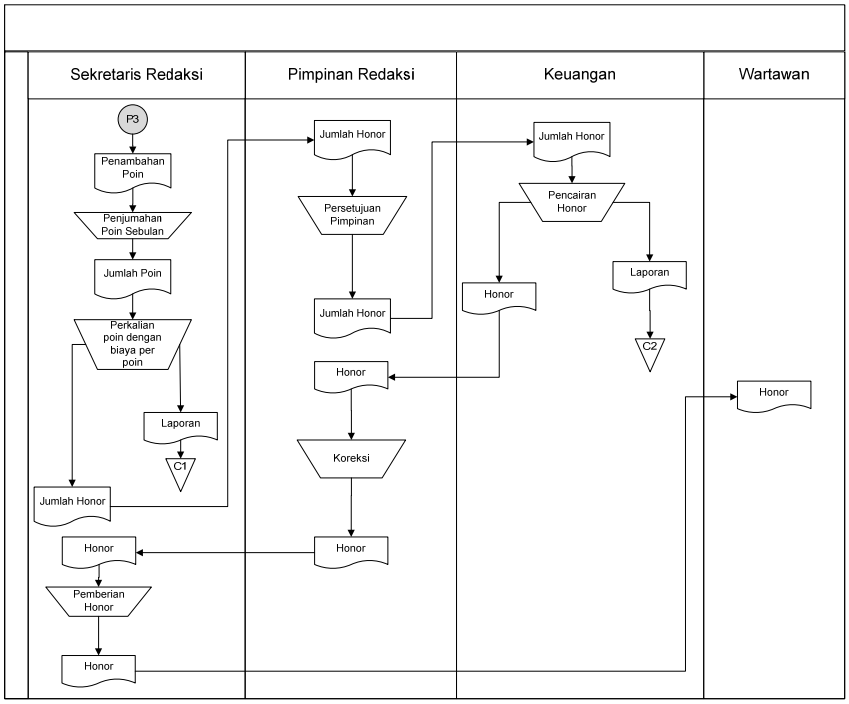


Figure 2.2.4 points in the journalist and writer

e) procedures for preparing reports

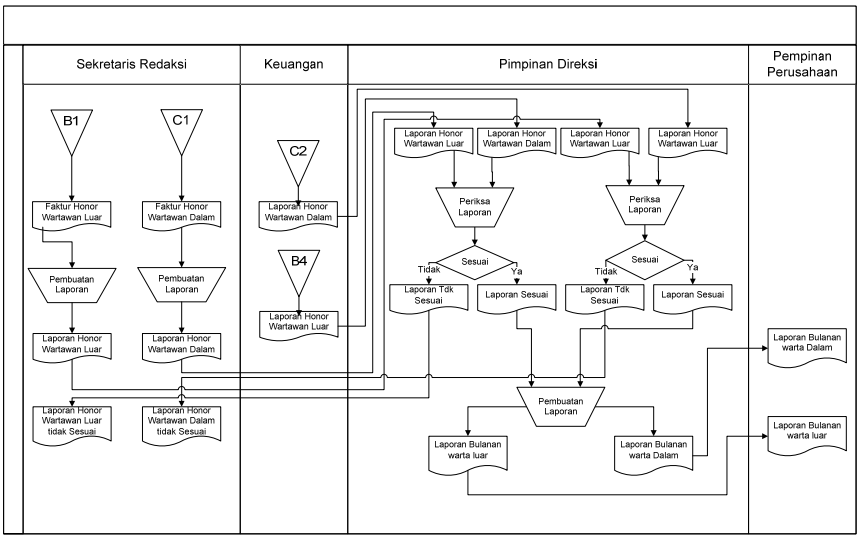
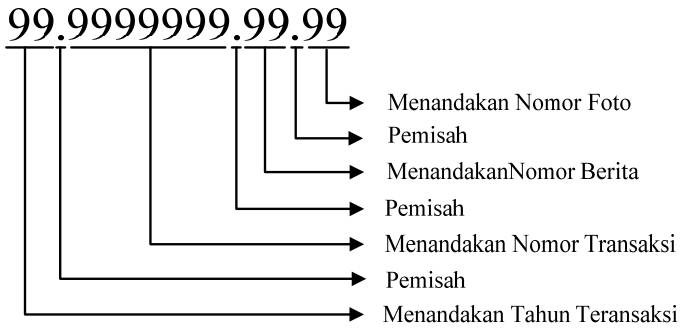


Figure 2.2.5 reporting procedures

3. Codes Currently Used

Coding used to classify data, enter data into the archive and to find out the archives and to find the necessary information, so it can be more effective and efficient in processing the data. Code used PT. Galamedia now is a reporter with the format code as follows:



the example code: 09.0000001.01.01 means 09 here has a sense of the journalists or writers who do a transaction that followed the separator, then write the number of transactions (0,000,001) as the number of transactions conducted by journalists or writers. Code 01 is a mean number of news by journalists or writers submit and divider followed by a number 01 final images.

4. Documents used during this

Documents processed in the data processing information system fee Galamedia journalists from the procedure performed. The document contains the data to be processed and the data processing results can be seen in Table 2.2.1

Table 2.2.1 lists the documents used

No.	Name of Document	Function	Source
1	The report of a journalist honorariums	Contain about journalist honorariums every edition.	Secretary of Editorial
2	The method of evaluating quality of journalist works	Contain about the journalist works that calculated by point	Secretary of Editorial
3	The pricelist of news or article	Contain about the price of the news that agree with journalist works	The Leader of Editorial

5. Functional Requirements

Functional needs analysis process of the system to be built, its produces a database design that is illustrated by means of Entity Relationship Diagram (ERD) or that call ER. ER diagram of the components forming the Entity (entities) and Relation (relationship). Entities contained in the ER diagram is the entity fee data processing information journalists and writers in the PT. Galamedia the user, users, journalists, foreign reporters, topic, fee details reporters outside, which can be seen in the figure 2.2.6

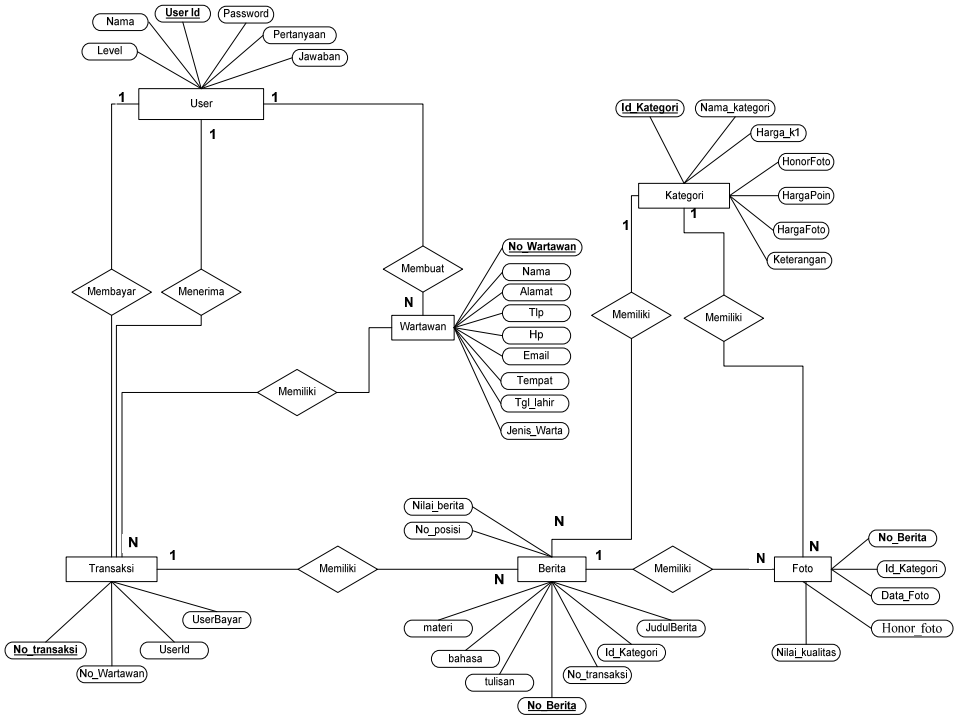


Figure 2.2.6 ***Entity Relationship Diagram***

Description:
Category: (harga_k2, honorfoto_2, HargaPoin, HargaFoto, Userld)
Transaction: (date, Total_Honor, Payment)
News: (Page, Column, Position, Price, Tanggal_Terbit)

6. Functional requirements

Analysis of non-functional requirements analysis is needed to determine the system requirements specification, including elements that what components are necessary for the system to be built, until the system is implemented. The analysis also needs to determine specifications needs by the system input, output will be generated by the system and processes needed to process inputs to produce a desired output, non-functional requirements are divided into several analyses, namely:

1. Analysis hardware (hardware)
2. Analysis software (software)
3. Analysis of user (user)

2.3 Design

Context diagram

Context diagram is a tool for structural analysis. This structural approach to describe the system in general or as a whole. In the context diagram that will be made to produce the necessary information sources and objectives that will result. Entities that will be used in the context diagram of data processing information system honors journalists and writers in PT. Galamedia are secretary and editor of editorial leadership. Context diagram of the system to be built can be seen in the picture below:

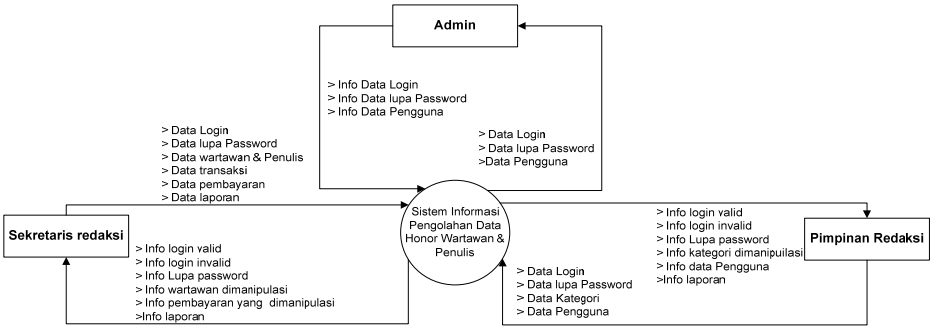


Figure 2.2.7 context diagram of data processing information system honors journalists and sales at PT. Galamedia

Data Flow Diagram (DFD)

Data Flow Diagram is a model of the system to describe the distribution system to a smaller model and in parallel and structure, by including the components and entities concerned, the storage media (storage), processes and systems that show the full symbol relationships flow data from the process related to the entity. One advantage of using DFD is easy to understand the system user that is being built. Existing entities in DFD of this system is the Secretary of the Board of Directors.

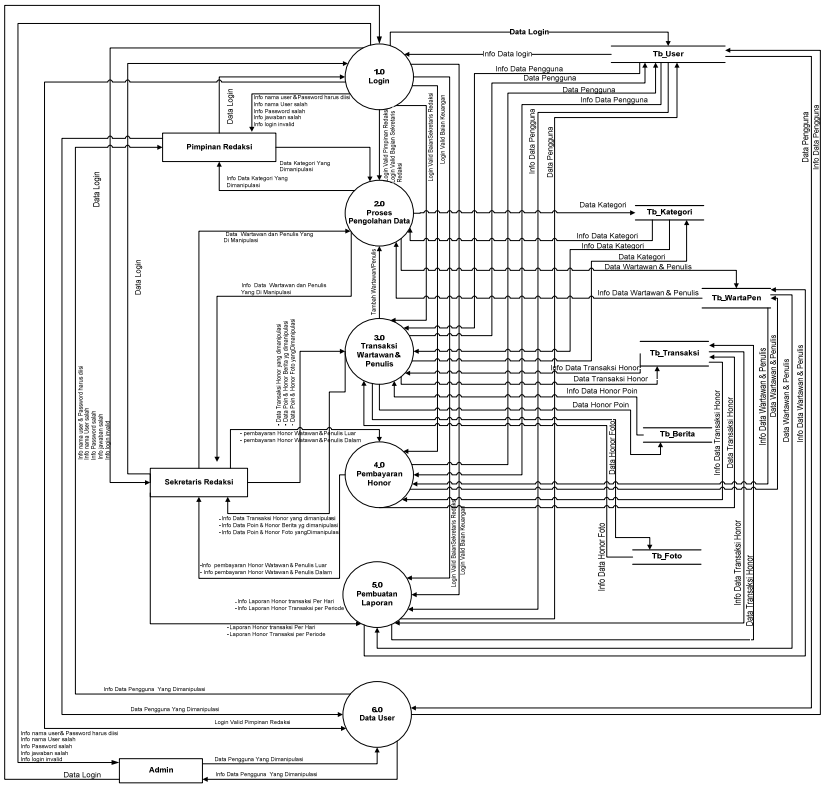


Figure 2.2.8 DFD Level 0 data processing information systems honor journalists and writers PT. Galamedia

2.4 Implementation

Implementation of the system is an application of the design that was made before application specified program. Implementation of the system aims to confirm the design of the program modules on the system so that the user principal (user) can provide input to the development of the system.

2.4.1 Hardware preparation

Hardware is used to implement the new system which consists of built sets of computer at the Secretary-Editor. The minimum computer specifications required to run applications that will be built are as follows:

1. Pentium III 800 MHz
2. 128 MB RAM
3. 10GB HDD
4. Free Space 2GB
5. SVG monitor measures 15 inches with a resolution of 1024x768
6. Printers and
7. Scanner

Hardware preparation can be done one day assuming all the hardware has ready before.

2.4.2 preparation software

Software used to implementation newly built system is composed of two types of operating system software and supporting software. Minimum software required is:

1. Windows XP
2. Windows Microsoft Office 2003
3. Visual Basic 6.0

2.4.3 Implementation Interface

There are some examples of the display to the user application data processing Information System Honor Journalists and Authors PT. Galamedia Bandung:

1. Login set the display face

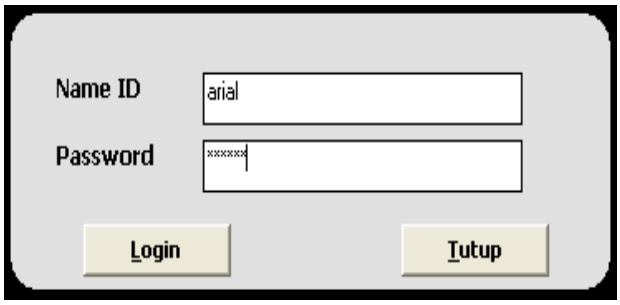


Figure 4.1 front set log view

2. Display the main menu interface

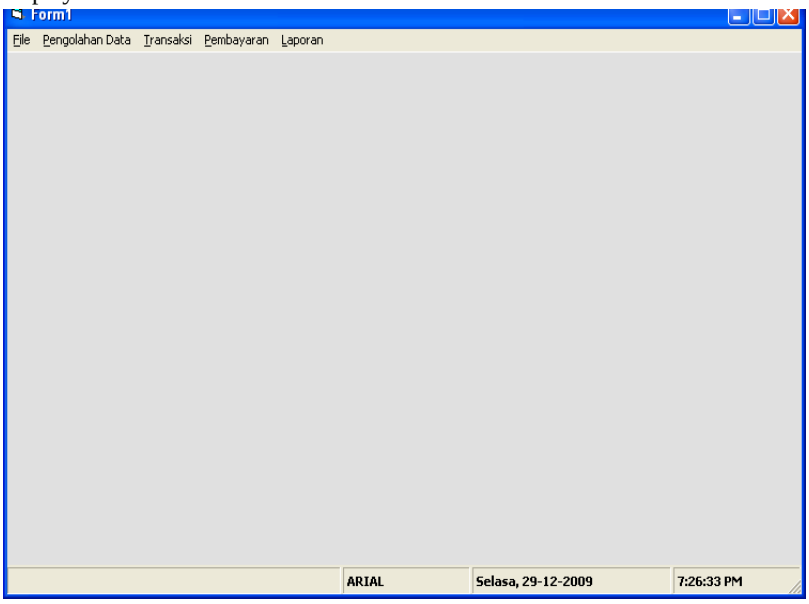


Figure 4.2 Display the main menu interface

3. Display interface journalist and writer

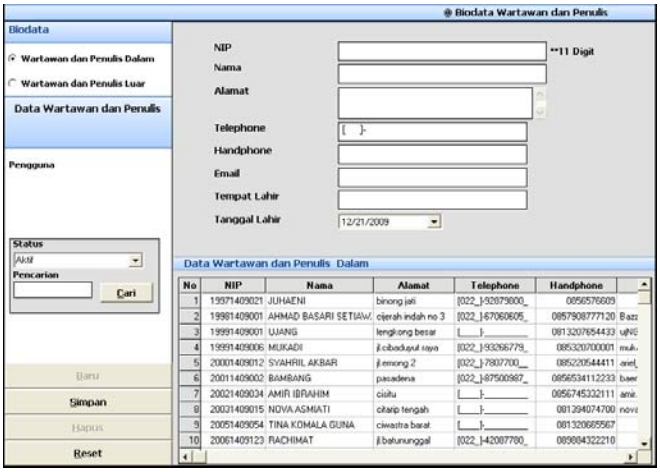


Figure 4.3 Display interface journalist and writer

4. Display Interface view category

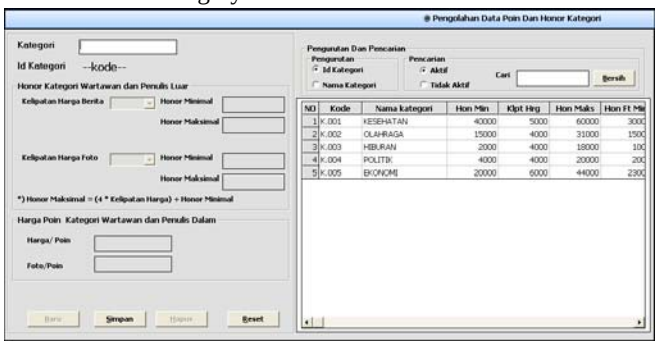


Figure 4.1 Display Interface view category

5. Transaction interface display

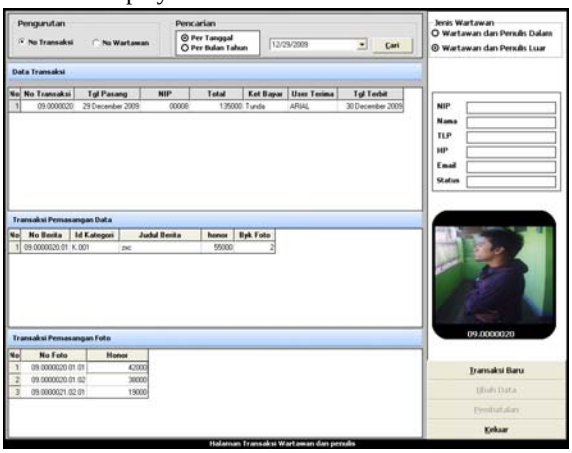


Figure 4.1 Transaction interface display

6. Transaction interface display journalists in

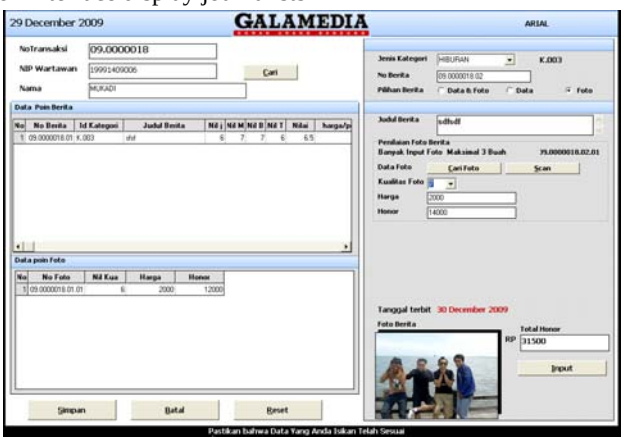


Figure 4.1 Transaction interface display journalists in

7. Display interface transactions outside journalists

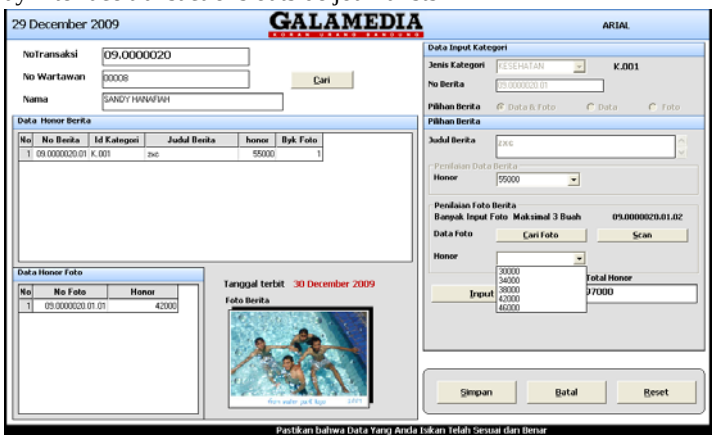


Figure 4.1 Display interface transactions outside journalists

8. Display interface data search assistance journalists



Figure 4.1 Display interface data search assistance journalists

9. Interface display change data in the transaction press

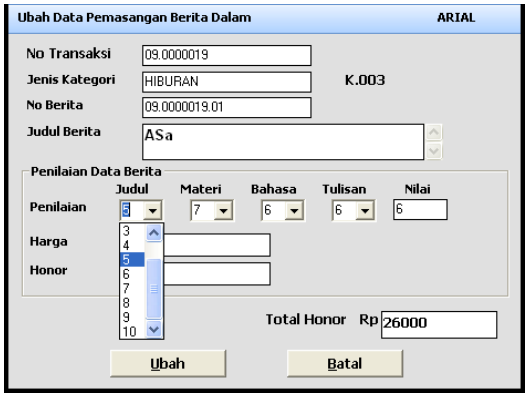


Figure 4.1 Interface display change data in the transaction press

10. Interface display transaction data to change outside journalists

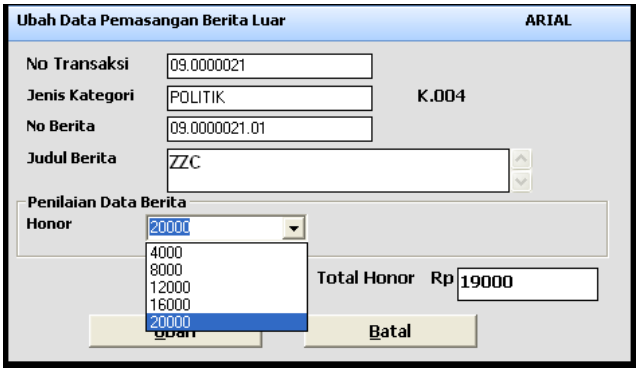


Figure 4.1 Interface display transaction data to change outside journalists

11. Interface display image change in the transaction press

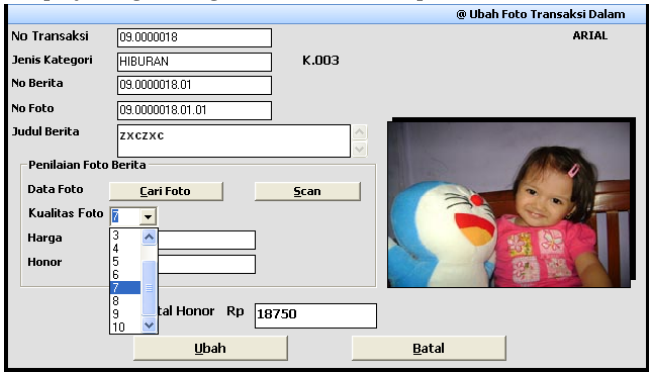


Figure 4.1 Interface display image change in the transaction press

12. Interface display image outside journalist's transactions

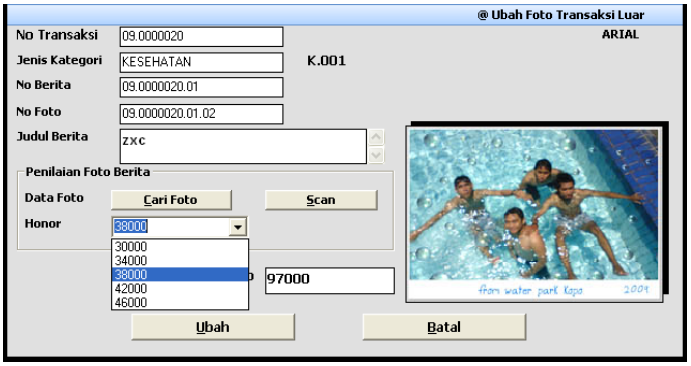


Figure 4.1 Interface display image outside journalist's transactions

13. Display interface forgot password assistance



Figure 4.1 Display interface forgot password assistance

14. Payment interface display

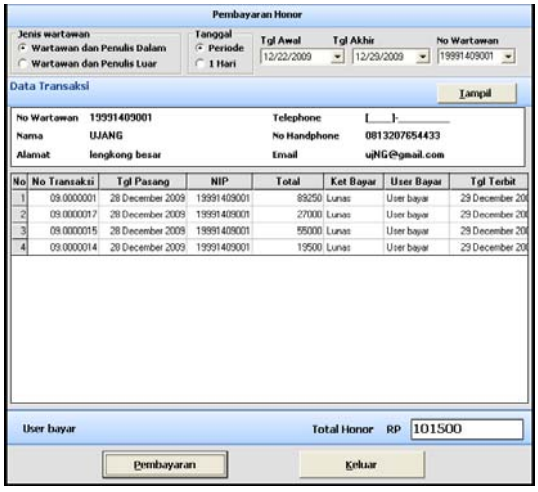


Figure 4.1 Payment interface display

15. Interface view transaction reports per day and per period

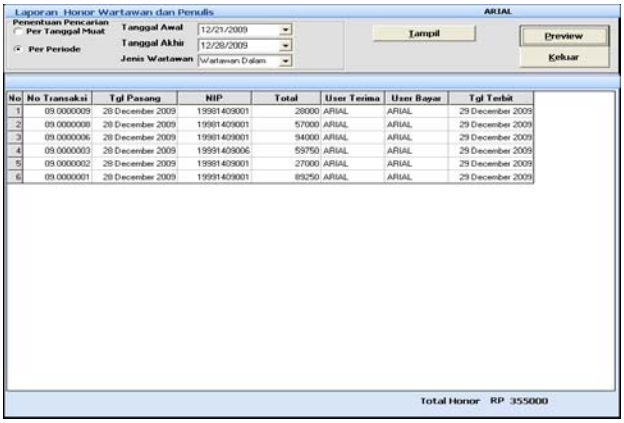


Figure 4.1 Interface view transaction reports per day and per period

16. Display interface and every transactions journalists report per period

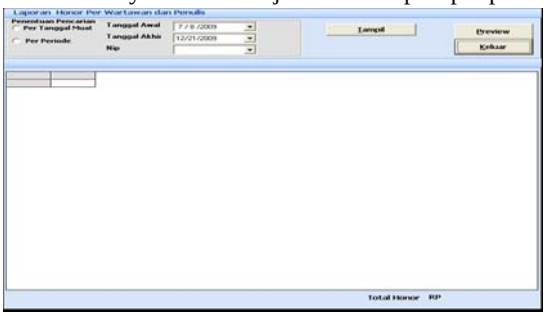


Figure 4.1 Display interface and every transactions journalists report per period

17. Interface display user data processing

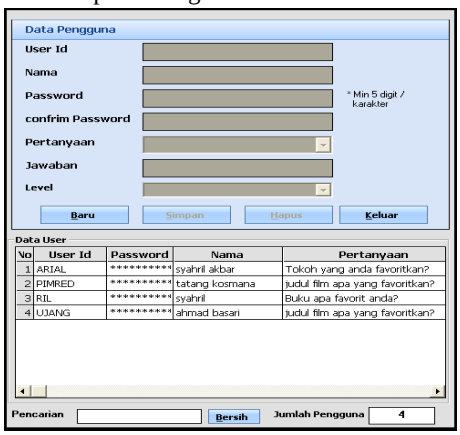
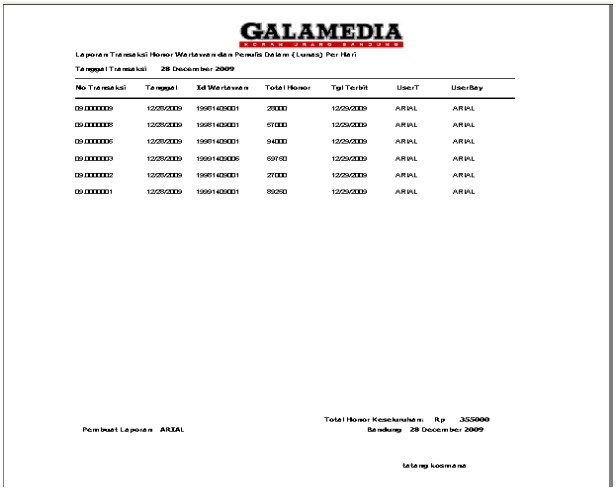


Figure 4.1 Interface display user data processing

18. Interface view transaction reports as of the date of loading


GALAMEDIA

Laporan Transaksi Honor Wartawan dan Penulis Dalam (Lunas) Per Hari

Tanggal Transaksi 28 December 2009

No Transaksi	Tanggal	Id Wartawan	Total Honor	Tgl Terbit	UserT	UserBay
09.0000009	12/28/2009	1999140001	28000	12/29/2009	ARIAL	ARIAL
09.0000008	12/28/2009	1999140001	97000	12/29/2009	ARIAL	ARIAL
09.0000006	12/28/2009	1999140001	94000	12/29/2009	ARIAL	ARIAL
09.0000003	12/28/2009	1999140006	69760	12/29/2009	ARIAL	ARIAL
09.0000002	12/28/2009	1999140001	27000	12/29/2009	ARIAL	ARIAL
09.0000001	12/28/2009	1999140001	89250	12/29/2009	ARIAL	ARIAL

Total Honor Keseluruhan Rp 355000

Pembuat Laporan ARIAL

Bandung 28 December 2009

tatang kosmana

Figure 4.1 Interface view transaction reports as of the date of loading

3.. Results and Discussion

3.1 Discussion of Issues

From the interviews conducted at PT. Galamedia getting several issues, including:

1. The absence of fee information system that allows for user.
2. Difficulties in calculating the multiples of price categories and photos to news reporters outside
3. Difficulties in calculating the total points the installation transaction news and photos for journalists in
4. Difficulties in the total fee earned by a journalist

3.2 Discussion of results

a. Facilitate editorial staff secretary in the data processing fees and journalists every day or every period
b. Facilitate editorial staff secretary in the calculation of salary costs incurred by journalist companies
c. Facilitate editorial staff secretary in the search for transaction data in the form of installation of writing news and photos to be published in the newspaper to be published.
d. Facilitate the management staff editor of pricing categories in the form writes and photos.
e. Facilitate editorial staff secretary in the manufacture per periods reports per day and more quickly and accurately.

4. Conclusion and Suggestions

4.1 Conclusion

1. Author's conclusions are as follows:
2. Application program created to help overcome the problems associated with the processing fee either reporters or journalists in foreign reporters.
3. Application programs created to provide information more effectively and efficiently on data processing fees including payment data and transaction fees that are expected to facilitate work and improve work effectiveness.
4. System provides transaction reports which can be seen any day or every periods, which can help overcome problems relating to the payment of honorariums reporters.

4.2 suggestions

Accuracy of data processing results can be improved by making changes to the data processing system. For that, the authors suggested that PT. Galamedia prepare human resources to support the system performance has been built.

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