News Network Information System On Jepara Hari Ini (JHI) News Portal Based On Contributor Freelance

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Abstract: Jepara Hari Ini (JHI) is the center of updated information and news facilities. Info on Jepara politics, sports, education, and tourism that focuses on providing information or news well. However, within the limitations of journalists or reporters sometimes making a news information does not work optimally. With this obstacle, an online news agency requires the input of information or news from outside parties, namely the community. The purpose of this study was to design a news network information system on JHI. The results showed that the news network information system in JHI could help the community in giving or seeing the latest information, database, and interface of the resulting application.

1. INTRODUCTION
Jepara Hari Ini (JHI) was established on October 14th, 2012, by a community of creative young people from Jepara where its office is located at Jl. KH. Moliki 02 Pengkol, Jepara Regency. From the beginning until now, JHI already has several social media accounts such as Facebook, Twitter, Instagram and Website, Jepara Hari Ini account focuses on bridging online media information with the wider community about information is related to Jepara, starting from conditions of Social, Political, Art & Culture, and Tourism until excellent products and all things that are related to Jepara.

Looking at the current technological era, almost everyone has a gadget because the information needs are very fast. JHI has several active social media followers, which has more than 2500 viewers/day. The more time passes, a news portal also requires an innovation to add or update an information service in accordance with the needs of visitors namely community. However, the limitations of journalists sometimes make a news information not run optimally. With this obstacle, an online news agency requires information or news input from outside parties, namely community. For the development of community methods in the delivery of news requires a feature or means of community journalism, to facilitate the public in conveying information aspirations in the form of news content in accordance with the guidelines contained in journalism. In addition, seeing the number of viewers in a day, not just journalism, due to the progress of the industrial world that is increasingly advanced and developing rapidly, there is one problem, namely the limitations of the community related to funds to promote goods or services. Usually confused people want to promote through which media. With this constraint, a media or online news agency must provide an innovation in the form of an ad-serving slot that is expected to help the community to promote a product or service at an affordable cost.
By utilizing a web-based information system that is now widely used by companies and institutions that run on an online media as an effort to provide a news or information to the wider community, especially in the Jepara region.

The purpose of this research was to design an application of an information system that can facilitate news coverage process and an advertisement display on JHI. The results of the research were community journalism portals and web-based advertisement display on JHI. Those are expected can help the community in accessing news that is happening.

Based on the background mentioned above, there are three problems that can be concluded, namely:
1. Lack of journalists as a news reporter at JHI.
2. Ignorance of the public to provide any information in the media news online.
3. Lack of cheap advertising media so that people can promote a product or service.

2. RESEARCH METHODOLOGY
To obtain an accurate, relevant and valid data[1], the writer collected data sources as follows:

2.1 Primary Data Sources
It is a data or information that is obtained directly from the agency either through observation or recording of research objects. It is consisted of:

2.1.1 Observasi
Data collection through observation and recording of activities that have been observed in JHI directly, for example seeing and observing the flow process of online reporting.

2.1.2 Interview
Data collection through face to face and question and answer directly with JHI colleagues, as the manager or admin of the website at JHI who knows about online reporting.

2.2 Secondary Data Sources
It is a data taken indirectly from the object of research. This data is obtained from books, documentation, and literature. It is divided into:

2.2.1 Literature Study
It is a collection or data searching from books, final project reports, and journals that are in accordance with the theme of the problem that is used as a basis for comparison material. For example, the collection of theories regarding the final project design.

2.2.2 Documentation Study
It is a data collection from literature and documentation is taken from the internet, as well as books as other sources of information. For example, for literature review material about a new information system and ad serving to get information that comes from objects or institutions as research sites.

2.3 Relevant studies
The community's need for information would require the media to be able to access the desired news, therefore news sites appeared to make it easier for the community who want to get various information and news. This is because the public wants a website development or news portal in terms of the ability to present warm news that is faster and easily accessible[2].

The development of a technology is very influential in the world of information. There are several ways that can be used to convey any information, but most of them are very less attractive to the public. It is because of the lack of a form of delivery process, which is not known, therefore a more efficient information media is needed, as is the case through the creation of a website about the work of the
community itself. So, a website is created that covers industry, creativity, agriculture and livestock in Jetis Lor Village[3].

Then, the ongoing news transmission requires a complicated process. Therefore, the news management information system can be used by reporters to send news, so the news can be directly received by the coordinator of the coverage without the process of downloading by a special officer[4].

Further, that currently there is much online media where in the coverage of the news still depends on the reporter. Thus, through this application can provide the answer of the research question of this study, namely the existence of citizen journalism features as helpers from reporters to provide information to the public[5].

The last, now, there are many online media, such as news portals that only contain news. The creation of this web-based application aims at providing a form of innovation by providing slots or promotional places to promote products or services at low prices[6].

2.4 Web Portal
Web Portal is a website that provides various information and facilities for visitors. A web portal has a more specific ability is information provision that can be accessed using a variety of devices, for example, notebooks, personal computers, personal digital assistants (PDAs), or even mobile phones [7].

2.5 Jurnalisme
Journalism is a field of discipline to collect, ensure, report, and analyze information gathered about current events, including trends, problems, and figures. People who practice journalistic activities are called journalists or journalists. In Indonesia, this term used to be known as publicity.

2.6 Citizen Journalism
Citizen Journalism is an activity of active participation carried out by the community to collect, report, analyze, and deliver information and news.

2.7 Web-Based Advertising
Web-based advertising is an online marketing effort by displaying a website on search engine results in a paid way. Online advertising can also be described as an activity to advertise in order to offer products or services through cyberspace, the purpose is to get the profit from sales activities.

3 RESULTS AND DISCUSSIONS

3.1 System Analysis and Design
Based on the results of the study, the website system on JHI has a slight disadvantage in covering the news, namely the absence of a feature of community journalism and ad serving. In a development of information technology, community journalism and display of advertisements in a website application can make the community as a journalist who can help the journalist's task to cover a news that is happening quickly and relevant. People can also order a promotional advertisement on JHI as a means of promoting products and services at affordable prices.

3.2 Needs Analysis
3.2.1. Data and Information Needs Analysis
Data is needed include:
1. News event places data
2. News event data
3. Community Data
4. Reporter data
5. Ad data
6. Ad order data
3.2.2. Analysis of System Actors
Actors are involved as follows:
1. Society
2. Reporter
3. Editor
4. Manager

3.3 New System Design
3.3.1 System Use Case
Use case diagram is an activity carried out by actors and systems to achieve a specific goal[8]. From the results of the analysis, it can be illustrated that the use case system from the news screening application design from Jepara Society for JHI sites could describe the following figure 1.

![Use Case Diagram JHI](image)

**Figure 1.** Use Case Diagram JHI

3.3.2 Class Diagram
Class Diagrams are diagrams based on the use case that is used to describe a system structure in terms of defining the classes that will be created to build a system[9]. The design phase class diagram is as follows figure 2.
4 Implementation

4.1 News Input Menu Page
Reporters in inputting news that is happening use the news input menu page. The back button is used to return to the reporter page, while the save button is used to store news data into the database describe the following figure 3.
4.2. News Input Menu Page
This page is used by citizens in inputting news that is happening. The back button is used to return to the community page, while the save button is used to store news data into the database describe the following figure 4.

![Figure 4. News Input Menu Page by a Citizens](image)

4.3. News Report Data page
News report data page is used to manage news reports by leaders and editors such as printing news report data. The manager or editor enters the month and year and then selects the user to be printed. In the Action button, there is a print action, the print action is used to print a news report describe the following figure 5.

![Figure 5. News Report Data Page](image)

4.4. Ad Report Data Page
The ad report data page is used to manage advertising reports by leaders and editors such as printing ad report data. The manager or editor enters the month and year and then selects the user to be printed. In
the action button, there is a print action, the print action is used to print the ad report describe the following figure 6.

![Figure 6. Ad Report Data Page](image)

4.5. News Category Data Page

News category data page is used to manage news category data by editors such as adding, searching, editing, and deleting news category data. The add button is used to add new news category data. On the action button, there is an edit and delete action, the edit action is used to edit the news category data, while the delete action is used to delete the news category data describe the following figure 7.

![Figure 7. News Category Data Page](image)

4.6. News Selection Data page

News selection data page is used to manage incoming news data by editors such as editing news. On the Action button, there is an edit action, the edit action is used to edit news data describe the following figure 8.
4.7. Ad Package Data Page
The ad package data page is used to manage ad package data by editors such as adding, searching, editing, and deleting ad package data. The added button is used to add new ad package data describe the following figure 9.

4.8. Ad Order and Payment Data Page
Ordering and advertising payment data pages are used to manage order and ad payment data by editors describe the following figure 10.
4.9. News Report Data page

News report data pages are used to manage news reports by leaders and editors such as printing news report data. The following figure 11 describes the data page.

![News Report Data Page](image1)

**Figure 11. News Report Data Page**

4.10. Ad Report Data Page

The ad report data page is used to manage advertising reports by leaders and editors such as printing ad report data. The manager or editor enters the month and year and then selects the user to be printed. The following figure 12 describes the data page.

![Ad Report Data Page](image2)
4.11. Report page
The news report menu page is based on a news diagrams class, sequence diagrams of managing news reports, and activity diagrams of managing news reports at the design stage.

5 Conclusions
Based on the results of observation, analysis, and system design process, it can be concluded:
1. This study resulted in a News Screening Application from Jepara for the JHI website.
2. The resulting system is used for reporters and the public to provide a news that can be accessed online.
3. The resulting system can facilitate the manager to control the news that has been published and order ads from reporters and the public.

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