

# Application of Citizen Journalism based on Information Technology

Alexander Setiawan<sup>1</sup>, Ido Priyana Hadi<sup>2</sup>, Agusly Irawan Aritonang<sup>2</sup> and Desi Yoanita<sup>2</sup>

<sup>1</sup>*Petra Christian University, Faculty of Industrial Technology, Informatics Department,  
Siwalankerto Street 121 – 131 Surabaya 60236*

<sup>2</sup>*Petra Christian University, Faculty of Communication Science, Communication Science Department,  
Siwalankerto Street 121 – 131 Surabaya 60236*

**Keywords:** Information Technology, Citizen Journalism, Media Applications.

**Abstract:** The development of information and communication technology in the present time is growing rapidly and increasingly easy to access information. Variety of news can be enjoyed through the presence of mainstream media such as newspapers, television, radio until the new media so that the emergence of media with new formats such as news portals from online media and the emergence of television streaming service that makes the needs of news to be very simple. With that made a research with the making of citizen journalism application based on information technology, which in this application will focus on the implementation of citizen journalism web-based using JSON and AJAX programming model. The purpose of applying the citizen journalism website is to expand the reach of the media and make it easier for guests to get facilities from citizen journalism. From the results of the implementation and testing of the application, will generate some facilities in this website, including the use of facilities divided into 3 parts, namely for guests, members, and administrators. Content of this website provides images and news information so that members can clearly know the news to be submitted and can make the addition of news online, as well as the latest news posting information, selection of news types, and guest book for members on this website so it will provide added value for applications.

## 1 INTRODUCTION

As we know that every news reported by the media is not always true and often have a specific purpose. That is why citizen journalism is required because compared to the media, the writings of a civilian are more neutral because he has no interest whatsoever unless he is part of the formation of public opinion as is commonly practiced by the media. Examples of disputes between citizens and companies, not infrequently the news conveyed by the media is half-truth news and then where the other half? The other half may not be covered or deliberately covered. New media arises and with it the readership of the traditional media coupled declines. Public participation in the news process gives rise to independent online journalism (Rodrigues & Braham, 2008).

The important role of citizen journalism is to overwhelm what the media does not, to clarify the truth. Media used in citizen journalism is a social network applications like facebook, twitter, and also blogs. Residents can report the incident from the scene

shortly after the incident took place over professional journalists. Technological advances, especially the internet, encourage citizens to become a 'journalist'. Citizen journalism (citizen journalism) has become a trend among the public.

The activities usually done by journalists can now be done by ordinary people though, easy access to internet also facilitate in doing activity coverage so that the coverage can be received by the press company immediately. Citizen journalism covers all types of print, electronic, or online media. However in Indonesia as well as in other countries, is increasing rapidly with online media.

## 2 CITIZEN JOURNALISM & INFORMATION TECHNOLOGY

New Media is a term used for all media forms mass communication based on communication and information technology. New media that have these

characteristics is the internet. The Internet is a wired and satellite phone network that connects the computer (Vivian, 2008). In this new media theory there are two views about the era of the first and second media. First, the view of social interaction: differentiate media according to how close the media is with model of face-to-face interaction. Second, the view of social integrity: this approach illustrates media not in the form of information, interaction, or dissemination, but in ritual form or how humans use the media as a way of creating society with uniting society in the form of mutual belonging.

The development of new media technology is very influential on the development of citizen journalism. The technology is the internet which is the network computer that allows the exchange of information without distance and time constraints. the emergence of the Internet or commonly called the new media provides opportunities for non-professional journalists (citizen journalism) to publish their articles in the media.

The term social media journalism has no classical communication and journalistic literature. this term emerged later as the development of social media as part of online media (Romli, 2008).

The need for application and maturity of information technology in the citizen journalism environment requires an integration of technology and information. This need will be seen in decision-making at the top level that must be supported by information technology. The Information Technology process can be seen Figure 1.

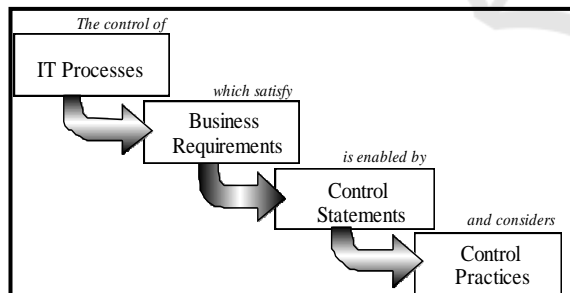


Figure 1: Information Technology Processes.

The utilization of information technology to support organizations or institutions in responding to business / government pressure and achieving its objectives has been regarded as a necessity by every organization, government, and company. Increased complexity, interconnectivity, and globalization make developers of information technology requires a large cost and also cause various risks. At the same time, information technology also provides enormous

opportunities as journalists and changes the thinking patterns of citizen journalism (Setiawan, 2015).

AJAX is a technique to make the display more quickly and dynamically. AJAX allows the display can perform updates by exchanging small amounts of data. The advantage of using AJAX is able to reload in a section on the display without having to refresh the entire page (W3schools, 2016). The goal is to move most of the interaction on a computer web surfer, to exchange data with the server behind the scenes, so that the web page does not have to be read as a whole every time a user makes a change. This will increase interactivity, speed, and usability (Setiawan, Handojo, & Hadi, 2017).

### 3 DESIGN SYSTEM

The task of the admin is to do insert, update, delete, view information on web applications are provided through a web browser. In a system of admin user can view information - information about the kind of culture that is selected, and the user can also add news and information via web application. Admin tasks that perform insert, update, delete illustrations and questions from the web applications. Design system citizen journalism can be seen Figure 2.

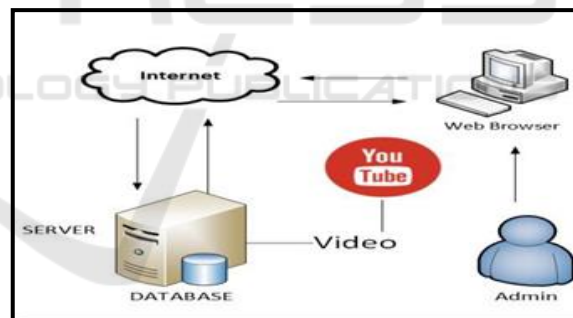


Figure 2: Design System Citizen Journalism Application.

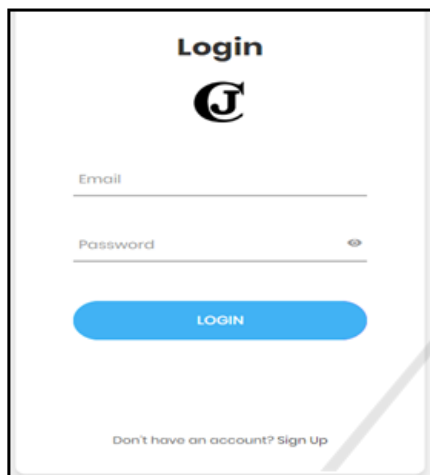
### 4 IMPLEMENTATION SYSTEM

The first time accessing the website citizen journalism will appear index page that can make the login process to enter into the website. Login form application can be seen Figure 3. If not registration, then user must do registration process. Registration form application can be seen Figure 4.

In creating a new article then the user needs to specify the category, title, article content, image or article thumbnail. Users will submit articles to be published, by click Write Article on the profile page.

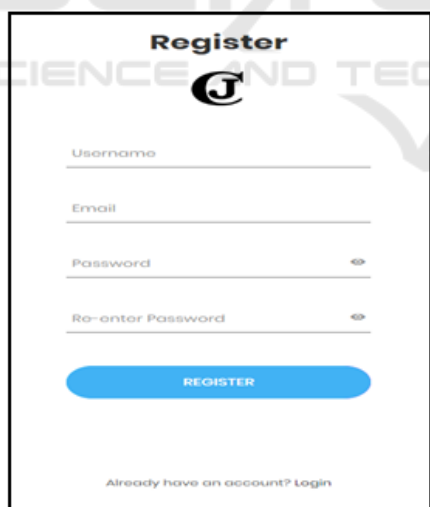
Once completed then the user can click the submit button. Article submitted form application can be seen Figure 5.

At the very top of the page the user can see who uploaded or created the article. Then follow below, the content of the article itself. Then when the user wants to add a comment on this article then the user can scroll to the bottom of the article page, it will show comment field as follows. Article comments application can be seen Figure 6.



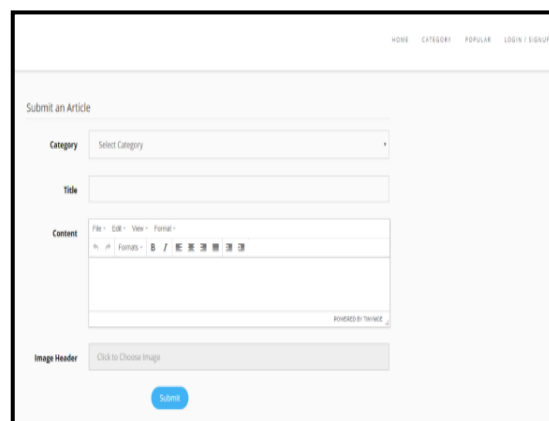
The login form features a white background with a blue header bar. At the top, it says "Login" in bold black text, followed by a stylized "J" logo. Below the logo are two input fields: "Email" and "Password". The "Password" field has a toggle icon on the right. A large blue button with the text "LOGIN" is centered below the fields. At the bottom, there is a link that says "Don't have an account? Sign Up".

Figure 3: Login Form Application.



The register form has a similar layout to the login form. It features a white background with a blue header bar. At the top, it says "Register" in bold black text, followed by the same stylized "J" logo. Below the logo are four input fields: "Username", "Email", "Password", and "Re-enter Password". The "Password" and "Re-enter Password" fields have toggle icons on the right. A large blue button with the text "REGISTER" is centered below the fields. At the bottom, there is a link that says "Already have an account? Login".

Figure 4: Register Form Application.



The article submission form is located at the top of the page, below the navigation bar. It has a white background. At the top, it says "Submit an Article". Below this are three input fields: "Category" (a dropdown menu), "Title", and "Content" (a text area). Below the "Content" field is a small text that says "POWERED BY TWINE". At the bottom, there is a blue button with the text "Submit".

Figure 5: Article Submitted Form Application.



The article comments section is located at the bottom of the article page. It has a white background. At the top, it says "1 Comment test". Below this are two buttons: "Recommend" and "Share". To the right, it says "Sort by Best". Below these are two comment boxes. The first box has a placeholder text "Start the discussion...". The second box has a comment from "KELVIN" that says "Looking forward to your next article, I really really like it! Nice job!". Below the comment box are two buttons: "Subscribe" and "Add Disqus to your site". At the bottom, there is a link that says "Disqus Privacy Policy".

Figure 6: Article Comments Application.

## 5 CONCLUSIONS

At the end of the design and development of citizen journalism application, some conclusions can be drawn through the existence of online journalism will encourage the transparency of the more easily and openly in news reporting. This causes professional journalists to start creating blogs to seek informative feedback from the audience.

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