

Development Of Web-Based Information System For Promotion Of Kasongan Craft

Rosa Rusinta

Sanata Dharma University Yogyakarta

Article Info

Corresponding Author:

Name : **Rosa Rusinta**

E-mail: rosintar12@gmail.com

ABSTRACT

The development of a Web-Based Information System for the Promotion of Kasongan Pottery Handicrafts serves as a promotional medium for a number of Kasongan pottery company owners who want to promote their handicraft products through the internet. This website provides facilities for web visitors who want to know information about Kasongan pottery, both the products produced and the company that produces the pottery, news about Kasongan, links to Klik_BCA for foreign currency exchange rates, and polls for opinion polls. Information about products includes product photos, descriptions, sizes, colors and prices, so that web visitors can see and know the products produced by a company clearly. Company owners can register as a member of this web online. The facilities provided for members of this web are company product updates, edit company data and change passwords. Members may have their own website outside this website or not have a website at all. This website is built using the Xampp application software package which includes Apache as a web browser, MySQL for databases and PHP as a programming language. For web display design using Macromedia Dreamweaver 8, while for photo editing using Adobe Photoshop CS2 and ACDS8. MySQL for database and PHP as programming language. For web display design using Macromedia Dreamweaver 8, while for photo editing using Adobe Photoshop CS2 and ACDS8. MySQL for database and PHP as programming language. For web display design using Macromedia Dreamweaver 8, while for photo editing using Adobe Photoshop CS2 and ACDS8.

Keywords:

Information System, Pottery, Web, product,

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INTRODUCTION

Kasongan pottery craft center is one type of SME product typical of Bantul which is engaged in handicrafts. Which Kasongan craft until now has become a separate icon of Bantul Regency. The activeness of the Kasongan community in producing and selling pottery makes Kasongan Village a tourist attraction in Yogyakarta by carrying pottery as its commodity.[1][2] Entering Kasongan Village, we will be presented with a row of houses which are used as pottery sales centers. The pottery sold is in the form of household utensils to precarious accessories for joglo houses.[1]

Various kinds of information can be obtained easily just by accessing via the internet[3]. Even all people can take advantage of this technology, especially in the field of crafts. This technology can be used for advertising and promotion of various kinds of crafts, in this case the pottery in Kasongan.[4] Even though they are only traditional crafts, they are no less competitive

with other products, not even just penetrating the national market but also being able to penetrate foreign markets.[5]

The problem that arises is the difficulty of the owners of the pottery companies to promote the pottery they produce so that they are sold and have great attraction for anyone who sees it.[6] Here one company owner can have many companies with different names. Because so far the owners of pottery companies in promoting their products only through limited relationships, namely through colleagues, exhibitions, or only by word of mouth. In addition, consumers have difficulty obtaining information due to limited time, distance and cost.

The system that will be created provides facilities to help with this problem using an information system for the promotion of web-based Kasongan pottery. This system can help the owners of pottery companies in promoting their products to attract consumers and also make it easier for consumers to obtain information about pottery because it can be accessed remotely without spending a lot of money through internet media.[7]. All pottery company owners can use this system because it can be updated continuously (flexibly) according to their needs. In addition, this system can be used by many owners of pottery and web-based companies.

METHOD

Users of this website are divided into two, namely users and administrators. Users are divided into two, namely members and non-members.

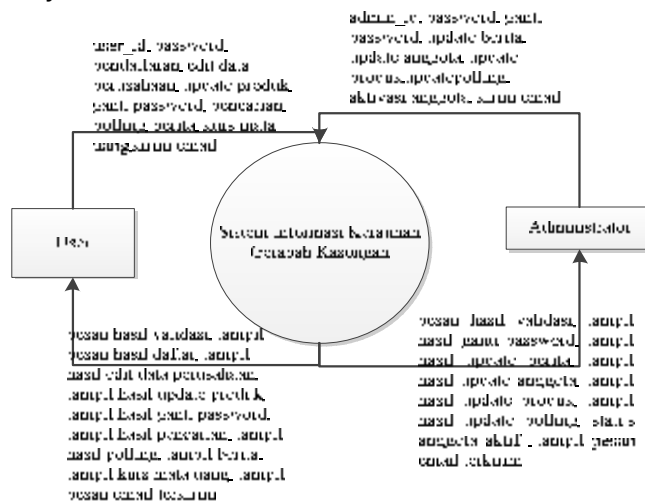


Figure 1. Context Diagram

Table 1. Item of Development Of Web-Based Information System

Side	Process	Information
Non-members/ Visitors	1. Search	Used to obtain information about pottery craft. Kasongan by category of company name and name of handicraft products.
	2. Polls	Used to poll this web visitor.
	3. Currency rates	Used to provide information to web visitors about the current currency exchange rate against the Indonesian Rupiah.
	4. Contact us	To send an email to the admin if you have questions about this website.
	5. Empty News	Used to provide information in the form of news about Kasongan.
Member (company)	1. Registration	Used to enter data for users/web visitors who want to register as members, containing data: owner's name,

		owner's address, identity, identity number, company_name, company_address, phone number, email, web_address, company_profile, and logo.
	2. Member login	Contains user_id and password for login validation.
	3. Change password	Used by members who want to change their own password for data security.
	4. Product Updates	Used to update craft products, in which there is a process of adding, editing and deleting craft products.
	5. Edit company data	Edit company data if there is a discrepancy or change, such as a change in address and so on.
Administrator	1. Admin login	Containing admin_id and password for login validation.
	2. Change password	Admin You can change the password at any time for data security.
	3. News updates	This process is used to update news data on the web in which there is a process of editing, adding and deleting to be up to date.
	4. Member updates	This process is used to update member data in which there is a process of editing, adding and deleting.
	5. Product updates	This process is used to update member's product data in which there is a process of editing, adding and deleting to be up to date.
	6. Update poll	This process is used to update polling data on the web in which there is a process of editing, adding and deleting data to make it up to date.
	7. Member activation	Used to activate and display companies (members) that have registered and have entered their company data.
	8. Send email	Used to send email to members in the form of user_id and password

RESULTS AND DISCUSSION

The Kasongan Pottery website has a database that is used to store administrator tables, members, news, products and polls. There are only two related entities or tables, namely the members table, and the product table. The administrator menu provides facilities to change passwords, update members, update news, product updates, update polls, and send email. The administrator side interface design is shown in the following figure:

The image shows a web form titled "Halaman Login ADMIN". It features two text input fields: "User Name" and "Password". Below these fields is a "Login" button. The form is enclosed in a rectangular border.

Figure 2. Admin Login Form Design

The design of the main user-side page, namely members and non-members, is as follows:

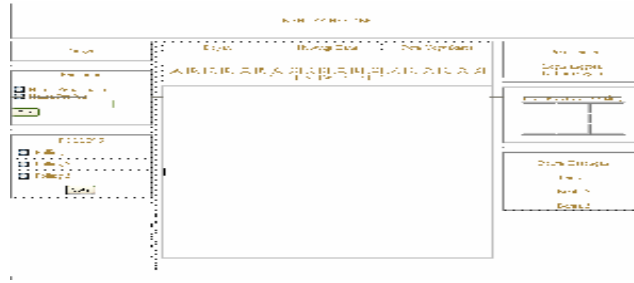


Figure 3. User Main Menu

Halaman Login Anggota

User Name

Password

Figure 4. Member Login Form Design

[Data Perusahaan](#) TABEL: Produk

[Produk](#)

[Ubah Password](#)

[Logout](#)

[Tampil semua](#)

[Tambah](#)

id_produk	Foto (*)	Keterangan (*)	ukuran (*)	warna (*)	harga (*)			
								Edit Hapus

Figure 5. Product Photo Update Form



Figure 6. User main menu

The picture above is the main menu of this web. On the right there are facilities for member logins, member lists, currency exchange rates and news about Kasongan pottery. On the left, there is a date menu to find out the current date, search by category, company name and product name, as well as a poll for this web visitor's poll. While in the middle there is a front facility for Kasongan profiles, contact us with admin addresses and there are facilities for sending emails to admins, and a map of Yogyakarta. Below it is a link to the company name in alphabetical order. To see the Kasongan pottery companies listed on this web based on the first letter of the alphabet of the

company name you are looking for, please click the alphabetical link in the center section of the facility. To view the content of the news, the date must be clicked for a link to the content of the news. Meanwhile, foreign currency exchange rates will always be updated every day according to the BCA bank.



Figure 7. Member login menu

If the main web page is clicked on the member login facility, a page like the one above will appear. In this member login menu, members are asked to enter their user ID and password for login validation so that member data is safe from irresponsible parties. If the user id and password are valid, it will enter the member menu.

Discussion

If on the main web page above clicked on the Member List link, a form like the one above will appear. In this member list form, registrants are asked to fill out the registration form that has been provided. The data entered includes: owner's name, owner's address, identity there are two types, namely ID card or driver's license, company name, company address, telephone number, email, web address (may not be filled in if you don't have your own website), company profile, and company logo. . After the form is filled in completely, the registrant is asked to send a photocopy of his KTP/SIM and his business license. The admin will check the completeness and correctness of the data provided by the registrant.

After the member logs in then the member will enter the member menu. In this member menu there is a link facility to company data, products, change passwords. If you click on the company data link, a company data table will appear in which there are facilities for editing company data only.

In this company data edit link, if you click edit, a company data form will appear containing the company data that has been previously entered. If members want to edit their company data, they can change them in this edit menu then click ok. To edit the company logo, you are given the option to keep using the existing logo or replace it with a new company logo. If you choose replace then you have to browse for the new company logo file.

In the member menu, if you click on the product link, a table of the product data that has been entered will appear. If you have not entered product data, members are asked to click add to add or enter their company's product data. This menu is to display the company's product data that has been entered. In it there are facilities to add, edit and delete products.

If you click add on the product link, a form will appear to enter pottery product data. Data that must be entered includes: photo (browse of the product file owned), description (insert name of the product), user_id (this is automatically filled with user_id of members who have the right to make edits to their own data), size (contains product size in cm), color, price (in Rupiah). After the data is filled in completely, then click the add button below, the product data will be automatically added to the product table.

In the product edit form, members can edit the products they own so that their products are up to date without going through the admin. The facilities are the same as the add product form. For product photos, there are three choices, namely keep (use old photos), delete (delete

old photos), replace (replace with new photos). The user id will be filled automatically with the user id of the member who has the right to edit the data.

Members have the right to delete their own craft products if they are no longer used without going through admin approval. In the product table, if you click delete on one of the products, a menu will appear above to confirm whether the product will be deleted or not? If it is correct then immediately click the delete button, the products in the product table will automatically be deleted. Meanwhile, if not then click back. Members are given the facility to change their password for security. In this menu members can change their password to maintain data confidentiality by entering the old password, new password, then confirming the new password and then clicking ok. The old password will automatically be replaced with a new password.

Before entering the admin menu, the admin first logs in for admin data security. This admin login menu contains the admin id and password for the validation process. If the admin id and password are valid, it will enter the admin menu. After the admin logs in and it turns out that the admin id and password are valid, it will enter the admin menu. In this menu there are admin facilities (appears immediately as soon as you enter the admin menu in the form of a table containing admin id, password, and change password), members, news, products, polls, send email and logout.

In the admin table, if you click change password, the form will appear as above. It contains admin id and password. For admin_id remains the same as the one used at the time, while the password can be changed with a new password then click ok. Then the system will automatically encrypt the password so that it is not known to others and immediately appears in the admin table. In this member table form the admin can see and check the list of members who have registered, both those who have been activated to become members and those who have not been activated to become members, namely with the member link. Here is displayed user id, password, owner's name, identity, identity number, company name, telephone, email, web address, logo, status (active/inactive). The facilities in it are active / inactive (directly click to change member activation), add, edit and delete members. If one of the inactive members (in the activate box) is clicked from the inactive status it will change to an active status and on the main web page, the member will be displayed.

Admin can add members if there is a company owner who asks for help to be registered as a member. First click the member link then click add, which will appear as above. The data that must be filled in is user_id, password, owner's name, owner's address, identity (KTP/SIM), identity number, company name, company address, telephone, email, web address (may not be filled if you don't have your own website), company profile, logo, status (directly selected on/off). If it is completely filled then click the ok button. Admin has the right to edit member data. To edit member data, if there is a change in the data, then click the member link which then displays the member table. In the member table click edit which will then appear the form as above. This member edit form contains almost the same content as the member registration form. Admin has the right to delete members, if there is something that makes the member concerned must be removed from the members table. For example, the company went bankrupt and closed. To delete a member, first click the member link and then in the members table click delete, a form will appear to confirm the delete member. If you are sure that the member to be deleted is correct, then click the delete button. After that, the members and their data will automatically be deleted as well. Admin can see a list of existing news through the news table in the menu above by clicking the news link in the admin menu. The facilities in it have facilities to add, edit, and delete news. This table will appear if it is filled with news.

If the admin will add news data then click add in the news link. This menu is used to add news about Kasongan to be up to date. In this news add form the data that must be entered is the

date (when adding news data), title, author, content, images (photos relating to the news to be displayed).

In this news edit menu, the admin has the right to edit news data if there are changes. The content of this news edit form is almost the same as the add news form. Especially for image editing, there is an option to keep the old image, delete the old image, or replace the old image with a new image. If the ok button has been clicked, then editing the news data will immediately change the news data in the news table. Admin can delete news if the news has not been used for a long time for some reason with the delete news menu above. In the news table there is a facility to delete news. If you want to delete the news then click delete which will then appear a form to confirm deleting the news data.

Product table menu to display product data that has been entered belonging to members. In this table the admin has the facility to add, edit, and delete product data. The add product menu is used to add member products, if a member asks the admin for help to enter the company's product data. In this form, you are asked to enter a photo of the product, description, user id of the member concerned, size, color and price of the item. Especially for the price of goods, if the member does not want it to be displayed, it can be filled with a dash. To edit product data, the form is almost the same as the add product form. Specifically, product photos can be changed or kept as desired by members. Before entering the delete product menu, first click the product link in the admin menu, then in the product table there is a delete product facility. If you click delete, a confirmation form will appear to delete the product. When you are sure to delete it, click the delete button, the product data will automatically be deleted from the product table.

In the admin menu, if you click on the poll link, a poll table will appear. In the polling table there are facilities to add, edit and delete polls. If the data has not been filled in, first click add to add/enter poll data. The poll data displayed in the main web page is only the most recent poll data entered. In addition, only one poll data is displayed.

Admin can add polls on the web through the added facility in this poll menu. In this form the admin will enter questions, answer a, answer b, answer c, result a, result b, result c. Answer here to enter answer choices for the poll question. Then the result is the result each time a visitor chooses an answer to the poll question. For the first time the result is filled/set with 0.

The form for editing the poll contains almost the same content as the form for adding a poll. The menu is used to edit existing polls in the polls table. For the delete poll form, click on the delete facility in the poll table. Before the poll data is deleted, a delete confirmation will appear to ensure that the deleted poll data is correct. The process of deleting this poll is automatic in the polling table, the deleted data will be immediately lost/deleted.

In the admin menu click the send email link. This email sending facility is used by the admin and serves to send user id and password to members who have completed registration data and have been activated by members on this website.

CONCLUSION

The information system for the promotion of Kasongan pottery is an effective and efficient information system in terms of cost and time because this website accommodates many Kasongan pottery companies and their handicraft products and can be accessed throughout the world via the internet. Can provide information about pottery companies and pottery products in Kasongan with menus or facilities on this website that are easy to use and understand by visitors to this website.

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