Trisula Scout School Extracurricular Website Development

Tombak Matahari[1], Arya Harditya[2], Muhammad Agni Catur Bhakti[3], Wandy Wandy[4]
[1-4]Sampoerna University
[1]Email: tombak.matahari@sampoernauniversity.ac.id

Abstract: Most schools from all levels in Indonesia already have a website, both public and private schools. Website is a useful formal communication medium for schools to enrich the use of social media. Domain names for schools in Indonesia have also been provided with the.sch.id for easier accessibility and identification. SD Negeri Rambutan 03 Jakarta have a scout extracurricular activity named Trisula, during Covid-19 Pandemic situation, scout weekly activities were shifting from originally face-to-face to an online exercise. This momentum was one of the reasons why the scout website needs to be built. This community service was a qualitative method with an interview approach, discussion and literature review during the pre-development and web-development process. The website has been successfully generated, customized, and implemented using WordPress and has been internally launched last November of 2020.

Introduction

Schools in Indonesia already have websites, starting Elementary School (SD), Junior High School (SMP), and Senior High School (SMA), both public and private schools. Website is a useful formal communication medium for schools to their stakeholders. A website is a system that technically provides information with contents of texts, images, sounds, and other media from a web server on the Internet (Mauko et al, 2017). The school website can be a solution in conveying information and school promotion which have been manually done (Ronida & Kosim, 2019). Domain names for schools in Indonesia have also been provided specifically with the.sch.id domain for easier accessibility and identification.

Some supporting information systems related to school academic can then be generated and implemented on top of domain names that have been used with sufficient server space and capabilities. Some of these supporting information systems could be library automation systems, academic information systems, learning management systems, or just landing pages for school extracurricular activities.

The website has the ability to publish formal information 1 or 2-way communication to the public. SD Negeri Rambutan 03 Jakarta have a scout extracurricular activity named Trisula, during Covid-19 Pandemic situation, several school activities could be announced directly to students and parents, scout weekly activities were shifting from originally face-to-face to an online exercise. This momentum was one of the reasons why the scout website needs to be built.

Trisula scout already has an Instagram social media in informally publishing its activities. Existence of social media was felt the need to be strengthened by the existence of a website in responding to the needs of technological development challenges. This extracurricular has also held 2 Jabodetabek region level scout competitions called STATION and this kind of competition is potential to be supported with a website for announcements, online registrations, archives, and other features.

Sub-domain name for this Trisula scout web development was under the official school web domain. This sub-domain name made Trisula website also become a formal communication channel to support non-formal activities in school.

Method

The method used in this community service activity was a qualitative method with interview approach, discussions and literature reviews during pre-development and web-development processes. Community service activities in SD Negeri Rambutan 03 Jakarta was in September 2020 period. Non-formal discussions with school Scoutmaster related to website development have been held for a long time.
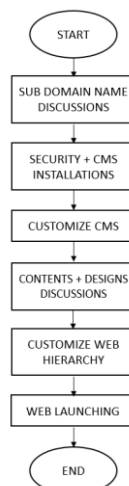

Figure 1. Web Development Process Diagram
(Source: author)

Sub-domain name for the Trisula scout website was discussed with the scoutmaster and has been decided with this name: pramukatrisula.sdnrambutan03.sch.id and this sub-domain name reflects scout extracurricular name in school. Sub-domain name was requested to the Information Technology officer in the school to be generated.

After sub-domain name generation completed, reserved sub-domain name was then found attached with a digital certificate encryption from Cloudflare to add security features. SSL (Secure Sockets Layer) is an Internet security based on encryption as stated on the Cloudflare website. This security implementation was also done by the school's Information Technology officer together with Content Management System (CMS) installation.

Next process was WordPress CMS installation. Similar to web implementation in Rumah Baca website (Fitri, 2020) but there were differences in the CMS implementation. The WordPress CMS was chosen because it has been widely used based on experiences in several previous website implementations. WordPress is also safe and easy to use, and possible to be used on mobile phones and tablets through the mobile application provided by WordPress to do website management content in the future. Slightly different from the development of the Pekon Kiluan Negeri village website (Fitriawan et al, 2019), development of this scout website requires HTML programming language in content preparation but not much.

As stated on the WordPress.Org Indonesia website, WordPress is an open-source software designed to be used by all users. WordPress has prioritized to its accessibility, application performance, application security, and ease of use for everyone.

Once the CMS has been installed, a theme then needed to be defined. Website format and theme were to have a clean and non-formal website. During web design discussions process, several theme names were searched, then the default Twenty-Twenty theme was then chosen to produce an attractive and responsive website, which were fit for current web content development needs and feasible for future web design. Mentioned on the Twenty-Twenty WordPress themes website, this theme has a dynamic layout based on group and column block for dynamic changes in the future.

Content on school extracurricular website was the result of individual approaches and discussions on several occasions, this was to publicize scout potentials, this situation was similar to PKM of Tourism Awareness Assistance and Village Website Development (Hairunisya et al, 2019).
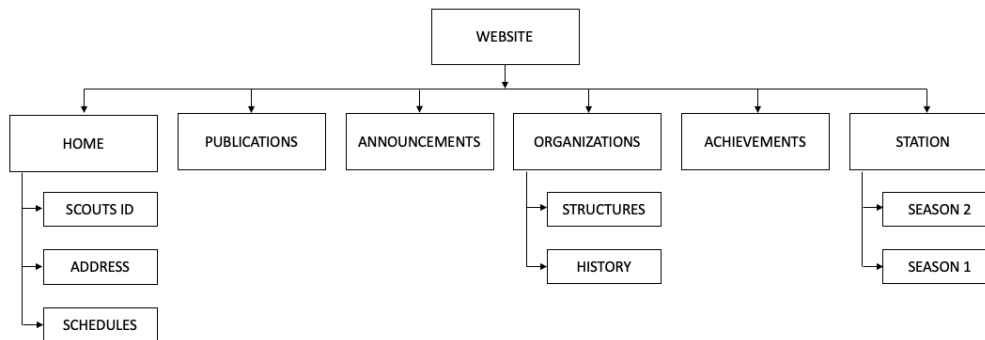
Figure 2. Website Contents Structure
(Source: author)

Home page at the moment had a Trisula logo, welcome text, and footer with important information such as scout identification, school address and scout exercise schedule. Publications part on the website were in the form of scout activity news. There was also a need to inform official announcements to the stakeholders. Announcements feature have been generated the same concepts with Publications.

Information about the Trisula scout Organization has also been generated with organizational structures and its history. Content of scout history was not yet fully compiled and took times for writing. Historical photos also need to be added to enrich website content.

Trisula Scout had a lot of achievements those need to be appreciated and presented. Scouts' achievements began to be recorded, photos from each activity began to be collected. At the initial stage, photos were taken from the available documentation. It was also planned in the future, after the Covid-19 Pandemic situation is over, photos of better quality will be re-collected and republished again.

Station page was about the scout competition. There were 2 competitions have been completed in the past. These 2 completed event pages generated as event archives and future Station competition will be placed on this part with online registration, formal competition results, photos, and other features.

Result

The generated website has been customized with a white base color with a minimalist and clean theme design. Scout website theme was also made as attractive as possible with a responsive design. Responsive design become important for web visitors, the website will look different and easier to read when accessed through a computer with a large screen resolution, and web also still viewed well when accessed via a cell phone with a smaller screen.

Contents play a major role, website skeletons shown gradually together with the contents based on texts and images.
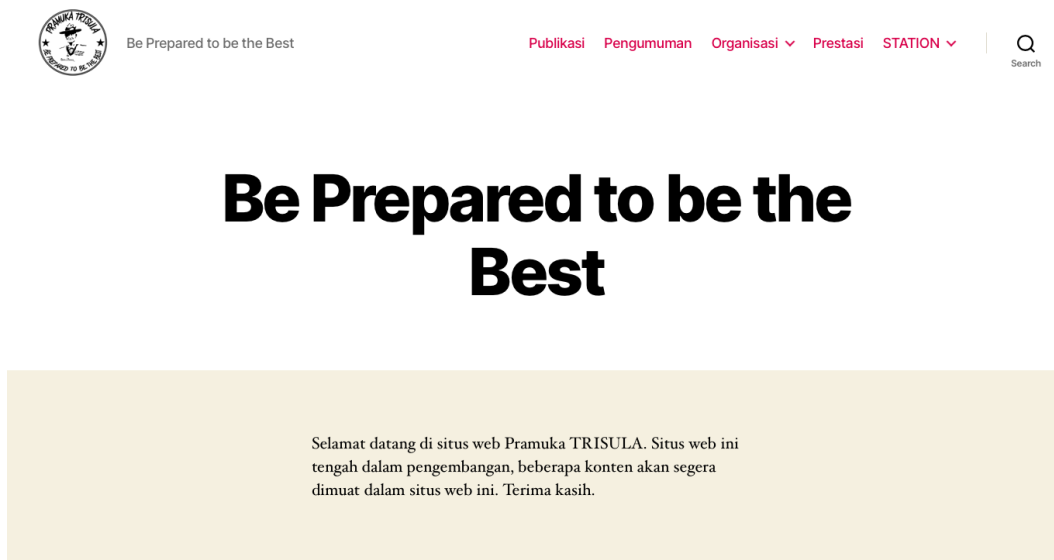

Figure 3. Home Page Screenshot
(Source: https://pramukatrisula.sdnrambutan03.sch.id)

Trisula scout logo has been placed on the top left on the website. Web menu structures placed on the right together with Search facility. Trisula motto placed big in the middle of the website with the welcome text in Bahasa. All website contents were in Bahasa Indonesia since the target audiences for this website is an Indonesian scout all over Indonesia.

The website was accessible with very light bandwidth consumption and faster access due to its clean and minimalist design.

Discussion

This Trisula scout website was soft launched at the school on Friday, November 20, 2020. The web launch event was attended by the school Principal, all Deputy Principals, Scoutmaster, Teachers, Scout Alumni, Parents, together with Visual Communication Design and Computer Science Lecturers from Sampoerna University.

Table 1. Implementation Results

#	Activities	Status
1	Discuss and request sub domain name	Achieved
2	Security + CMS installations	Achieved
3	Customize WordPress CMS	Achieved
4	Content discussions + implementations	Achieved
5	Customize web content hierarchy	Achieved
6	Web launching	Achieved
7	Website management training	Not Achieved

(Source: author)

Found from the table that 6 activities out of 7 (85,71%) were achieved. Website management training will be done in the near future for the next community service activities. Website management training was not achieved because of minimal preparation since it was already near the end of the year, where there were public holidays and mass leaves. Future website management training will be later on an online format.

Contents in texts and supporting images need to be added in short to enrich the website look and feel. Support can be provided for future community service together with website management training during web technology transitions period.

There are improvements that can be made also in design to make the website have better User Interface and User Experiences (UI/UX) those also need to be included in the next activities.

Conclusion

Below were some conclusions from this Community Service activities:
1. Website functions were directed to one-way formal information, from schools to various stakeholders (community, students, and parents).
2. Scout website has been successfully implemented, but there were 14,29% activities not yet achieved from the total implementation perspective.
3. Role of Instagram's social media contents were directed to more non-formal communication.
4. A lot of content space is presented on this website, and photo quality improvements are also felt necessary for future development.

5. There are opportunities for design enhancement for the next community service activities.

Acknowledgements

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