

## School Management System Assistance with Technology Awareness at SMP Negeri 13 Dumai

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### Article History:

Submitted November 23, 2022; Accepted in revised December 24, 2022; Accepted January 3, 2023; Published January 10, 2023. All rights reserved by Lembaga Penelitian dan Pengabdian Masyarakat (LPPM) STMIK Indonesia Banda Aceh.

### Abstrak

Pendampingan sistem manajemen sekolah dilakukan di salah satu sekolah mengemudi yang ada di Dumai yaitu SMP Negeri 13 Dumai. Pelaksanaan program bantuan sistem manajemen sekolah ini bertujuan untuk memberikan pendampingan kepada guru-guru di SMP Negeri 13 Dumai atas pemanfaatan kesadaran teknologi yang ada di sekolah. Metode yang digunakan dalam kegiatan ini adalah metode ceramah, workshop, dan pendampingan. Evaluasi dilakukan dengan mengamati keterampilan staf, guru, pustakawan, dan laboran dalam penguasaan teknologi yang telah diterapkan. Hasil yang dicapai dalam pengabdian ini adalah peningkatan kemampuan kesadaran teknologi di tingkat manajemen yang dapat diukur dari tiga faktor utama, yaitu: (1) peningkatan pengetahuan mereka tentang kesadaran di bidang sensitivitas (perceptual component) dimana staf manajerial di SMP Negeri 13 Dumai mampu mengidentifikasi dan menerapkan teknologi yang ada di bidang pendidikan (2) komponen kedua, wawasan (interpretation component) dimana wawasan, kemampuan staf manajerial di sekolah ini untuk memahami alasan penguasaan teknologi terbarukan untuk efisiensi dan efektifitas dalam sistem manajemen sekolah dan (3) komponen ketiga adalah komunikasi. Melalui kegiatan pengabdian kepada masyarakat ini, diharapkan staf dan manajemen meningkatkan kesadaran penggunaan teknologi tepat guna dalam kelancaran pendidikan dan harapan selanjutnya adalah sekolah mitra di SMP Negeri 13 Dumai dan guru mitra memberikan respon positif terhadap pelaksanaan sistem pendampingan manajemen sekolah.

**Kata Kunci:** Manajemen Sekolah; Teknologi; Kesadaran; Pendampingan.

### Abstract

The assistance of the school management system is carried out at one of the driving schools in Dumai, namely SMP Negeri 13 Dumai. The implementation of this school management system assistance program aims to provide assistance to teachers at SMP Negeri 13 Dumai for the use of technology awareness available at the school. The methods used in this activity are lectures, workshops, and mentoring methods. Evaluation is done by observing the skills of staff, teachers, librarians, and laboratory assistants in mastering the technology that has been implemented. The result achieved in this service is an increase in technology awareness capabilities at the management level of which can be measured from three main factors, namely: (1) increasing their knowledge about awareness in the field of sensitivity (perceptual component) where managerial staff in SMP Negeri 13 Dumai is able to identify and implement existing technology in the field of education (2) second component, insight (interpretation component) where insight, the ability of managerial staff in this school to understand the reasons for mastering renewable technology for efficiency and effectiveness in the school management system and (3) the third component is communication. Through this community service activity, it is hoped that the staff and management will increase the awareness of using appropriate technology in the smooth running of educational and the next hope is that partner schools at SMP Negeri 13 Dumai and partner teachers will provide a positive response to the implementation of the mentoring system of school management.

**Keywords:** School Management; Technology; Awareness; Assistance.

## 1. Introduction

SMP Negeri 13 Dumai is an educational unit with a junior high school level in Bagan Besar, Bukit Kapur District, Dumai City, Riau. In carrying out its activities, SMP Negeri 13 Dumai is under the auspices of the Ministry of Education and Culture. SMP Negeri 13 Dumai is located at Jl. Tuanku Tambusai, Bagan Besar, Bukit Kapur District, Dumai City, Riau, with postal code 28882. Contacts that can be contacted if you want to ask questions or directly contact SMP Negeri 13 Dumai can be through several media, namely the school website can be opened via <https://smpnegeri13dumai.sch.id>. If you want to send an electronic letter (email) you can send it to [smpn13dumai@yahoo.co.id](mailto:smpn13dumai@yahoo.co.id). The facilities provided by SMP Negeri 13 Dumai provide electricity to assist teaching and learning activities. The source of electricity used by SMP Negeri 13 Dumai comes from PLN. Learning hours at SMP Negeri 13 Dumai are conducted on a full day. In a week, learning is carried out for 5 days. SMP Negeri 13 Dumai has accreditation A, based on certificate 747/BAN-SM/SK/2019. The success of SMP Negeri 13 Dumai in getting an A accreditation is due to using School-Based Management (SBM).

This management model gives schools autonomy rights to manage their schools independently [1]. This independence is actually a responsibility given to the school, especially to the principal so that he/she can bring the progress of the school he/she leads [2]. The application of management in each educational unit requires a broader understanding of the basics of this concept. Based on data from a chat with the principal of SMP Negeri 13 Dumai, Mrs. Yulviasriani, M.Pd, partners encountered problems regarding this management, especially the use of technology that was not maximized in the scope of staff and managers, staff and managerial readiness in maximizing technology which was still lacking, mastery of skills in using technology needs to be given at least at a basic level.

The problems encountered include the unpreparedness of the school staff in using technology within the scope of this school, it is necessary to provide a solution. The above problems provide an opportunity for us to provide community service assistance in implementing school-based management with technology awareness. As for the management implementation process and the existence of technology awareness, there are several problems related to mental readiness, human resources (HR), and funding sources [3]. If viewed from mental readiness, partners do not feel capable in implementing this management. Meanwhile, in terms of existing human resources, it appears that they do not understand correctly what the meaning of school-based management is and it is feared that these human resources will be misinterpreted in making decisions [4].

The availability of sources of funds that are less from the central government for capital to carry out education and this can also prevent schools from being able to implement school-based management (SBM) [5]. Because the essence of education decentralization embodied in the school-based management system (SBM) is the independence of each education provider, namely schools. The implication of education management is that the greatest authority is given to the government at the district and city levels as the hands of the central government which is mandated to regulate the course of education in accordance with the existing human resources in the district and of course in accordance with the needs of their respective regions, and changes are made, management authority is expected to improve performance professionally in planning and implementation in every field of work in the district [6].

Therefore, in this service activity at SMP Negeri 13, it emphasizes technology awareness, which means that partners get the maximum view and use of technology in the world of education. It is hoped that this program will run continuously and remain a solution for partners in the years to come. Besides that, no less important is that this service at SMP Negeri 13 Dumai is a provision that can restore self-confidence and as an investment in human capital (quality of human capital) when managerial staff and related parties at partner locations gain skills and creativity in the use of technology. available for work efficiency with maximum results.

### 1.1. The Purpose of the PKM

The purpose of this community service activity is to find out the solution of SMP Negeri 13 Dumai faced in developing the technological awareness for school management system.

### 1.2. Benefit of the Program

The benefits of service activities are that participants are successfully motivated by existing material with new ideas that will be implemented in SMP Negeri 13 Dumai.

## 2. Realization of Activities

### 2.1. Activities and Schedules, as well as Places of Activities

#### a. Method

This article is the result of volunteer work done by the English Language Education of FKIP UIR Pekanbaru Riau. This activity took place on September 9, 2022, and it lasted for five hours. Additionally, this action was done at Aula SMP Negeri 13 Dumai and attended at least 32 management staffs and teachers. The approaches utilized in this article employed descriptive techniques that the readiness of a *Penggerak* school is also supported by technology awareness among staff, teachers, and school management. The readiness of staff, teachers, and school management are the core in the implementation of the *Penggerak* school so that several gaps were found in the field in the form of a. technological progress is developing very rapidly in the world of education today, all parties in the world of education, especially SMP Negeri 13 Dumai are expected to improve quality and time efficiency, b. managerial system using technology is still below standard, c. mastery of skills in the use of basic technology in managerial needs to be trained. So it is necessary to provide technology awareness assistance for teachers, staff, and school management.

The solutions given to partners in this case SMP Negeri 13 Dumai are answers and solutions to the problems they are facing from the problems mentioned above, it is deemed necessary to hold a managerial mentoring workshop for school development in the form of:

- 1) Held training on the use of basic technology in the school
- 2) Training of school managerial staff in financial reporting in and out in the form of balances, using excel program reports with formulas that will be introduced by the service party
- 3) Other technology training in schools in the form of media and website promotion platforms

The target of this service activity is to equip partners to become independent resources. After conducting managerial empowerment through technology awareness; School progress with behavior awareness of environmental situations, understanding events, and then evaluating existing education management information systems that have been mastered verbally and in writing. So that the output of technology awareness can produce an information management system in the form of plans and budgets, scheduled reports, special reports, problem situation analysis, decisions for review, and is an answer to the mastery of appropriate technology in education management at SMP Negeri 13 Dumai.

The indicator of the success of this community service is by filling out a questionnaire containing a grid of questions that will be answered by the participants. The result achieved in this service is an increase in technology awareness capabilities at the management level of SMP Negeri 13 Dumai which can be measured from three main factors, namely: (1) increasing their knowledge about awareness in the field of sensitivity (perceptual component) where managerial staff in SMP Negeri 13 Dumai is able to identify and implement existing technology in the field of education (2) The second component, insight (interpretation component) where insight, the ability of managerial staff in this school to understand the reasons for mastering renewable technology for efficiency and effectiveness in the school management system and (3) The third component is communication, here the school managerial staff has the ability to take action in certain situations with the aim of building ideas about the focus of technology awareness for the progress of the school with

behavior awareness of environmental situations, understanding events, and then evaluate existing education management information systems and have been mastered verbally and in writing.

#### b. Effective Time for Implementation of Activities

The activity of this community service was held from September 2-9, 2022.

#### c. Place

The location of this community service activity was in SMP Negeri 13 Dumai as the following maps.

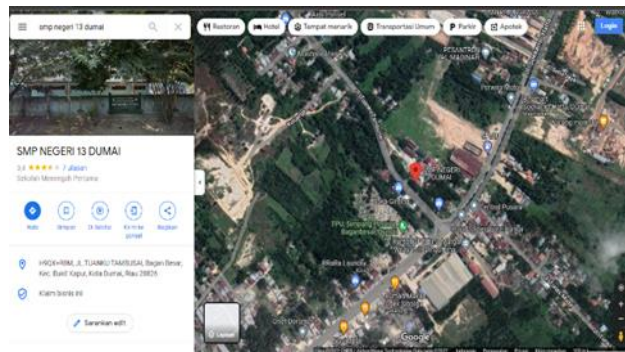


Figure 1. Maps of Location

## 2.2. The Result of Community Service Implementation

The implementation of this community service is in the form of implementing a presentation of the school management system assistance with the existence of Technology Awareness at SMP Negeri 13 Dumai which in its activities is divided into several stages that are adjusted to the schedule by taking into account the time and the main tasks of the staff, teachers, and school management. The form of activity includes lectures and material presentation. First, the lecture was filled with providing theoretical and applicable insights about the school management system assistance program with technology awareness face-to-face in the Teacher Council hall at SMP Negeri 13 Dumai held from September 2-9, 2022 in the form of focused discussions with the following materials:

- 1) The basic concept, nature, benefits of technology in education.
- 2) The basic concept, nature, benefits of assisting the use of existing technology in schools in accordance with the level of managerial readiness in schools.
- 3) Feedback from all staff, teachers, and school management in the implementation of school management system assistance with technology awareness in the form of suggestions for improving the quality of school management resources.

The solutions offered in the implementation of this community service related to the partner problems above are:

- 1) Workshop and training for assistance in the use of computers and devices at SMP Negeri 13 Dumai
- 2) Basic program assistance to management
- 3) Reflection on the results of the assistance
- 4) Follow-up of community service programs in the future

The picture below is a session of presenting material and participants' attention at SMP Negeri 13 Dumai.



Figure 2. Speakers and PKM Participants are presenting and focusing on the material given

Next is a question and answer session about the applications that have been introduced. In this session, the participants were given the opportunity to ask questions that were still an obstacle or that the participants had not understood. This mentoring activity ended by taking a group photo with partner teachers in the hall of SMP Negeri 13 Dumai.



Figure 3. Photo with teachers and principal of SMP Negeri 13 Dumai

### 3. Evaluation

The school management system mentoring activity with Technology Awareness at SMP Negeri 13 Dumai went smoothly. The number of partners of more than 30 people consisting of principals, teachers, TU, school laboratory assistants attended the school management system mentoring event with the Technology Awareness at SMP Negeri 13 Dumai. Activities from the beginning to the end of the event participants followed well. Through this activity, participants not only get information on mentoring the school management system with the existence of Technology Awareness but also really helps the participants to be ready to get assistance on activities. The participants were very active in the discussion and asked the service team for the materials provided. In general, this service activity went smoothly, starting from preliminary survey activities, implementing mentoring activities, to preparing reports. The implementation of the activity went smoothly as seen from the level of attendance of participants, active discussion during the discussion and the number of questions asked during the question and answer session to the team.

Through continuous service, a cooperative relationship will be established between the English Education Study Program FKIP-UIR and SMP Negeri 13 Dumai which is also carried out simultaneously with the MoA between the Islamic University of Riau and SMP Negeri 13 Dumai. Cooperation relationships in terms of mastery of technology in the field of education for teachers so that community service programs can run optimally, which is one of the obligations of the university academic community. The following table below is the feedback from *sekolah mitra* about the questionnaire of PKM evaluation in this school.

Tabel 1. The feedback of uestionnaire result

No	Items to be questioned	Answers	
		Yes	No
1	The material provided fully to the needs of Participants	30	
2	The activities carried out according to Partner's expectations	29	1
3	The way the presenters present interesting PkM material	30	
4	The material presented is clear and easy to understand	30	
5	The time provided is suitable for the delivery of PkM materials and activities	30	
6	Partners are interested in participating in PkM activities as long as it is according to the needs of the Partner/participant	29	1
7	PkM members who are involved in community service activities provide services according to their needs	29	1
8	PkM activities are carried out in a sustainable manner	30	
9	Every complaint/question/problem submitted is followed up properly by the resource persons/service members involved	30	
10	Partners get direct benefits from the PkM activities carried out	30	
11	PkM activities have succeeded in increasing the welfare/intelligence of partners	29	1
12	In general, partners are satisfied with PkM activities	30	

Based on the result of questionnaire feedback, most participants showed satisfied with the PKM activities and most responds appreciated the programs.

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