

**TRAINING ON THE USE OF EDUPOINT: MINI DRIVE LEARNING
RESOURCES FOR DISASTER EMERGENCY SCHOOLS IN
PADALUYU VILLAGE, CUGENANG SUB-DISTRICT, CIANJUR
REGENCY**

**Dedi Supriadi^{1*}, Mohammad Muhyidin Nurzaelani², Erik Yuda Pratama³,
Thoriq Ibnu Anwar⁴, Khudri Asidiqi⁵**

Universitas Ibn Khaldun, Bogor.

^{1*} dedisbs.95@gmail.com, ² m.muhyidin@uika-bogor.ac.id, ³ erikyuda.pratama@uika-bogor.ac.id,

⁴ kak.thoriq@gmail.com, ⁵ khudriassidiqi@gmail.com

Abstract

The results of initial observations, especially in Padaluyu Village, Cugenang District, obtained data that there were 27 RTs spread across Padaluyu Village. The condition of 8 RTs experienced very severe damage (all houses collapsed) 19 RTs experienced severe and moderate damage. There are elementary schools in Cugenang District that need assistance related to the implementation of learning, especially the availability of learning resources, namely SDN Padamamur, SDN Padaluyu, and SDN Kembang Manis 2. The purpose of implementing this PKM is to overcome problems experienced by partners related to obstacles in the learning process that occur due to the earthquake. With the damage to some school rooms, learning must be diverted elsewhere. Therefore the development of EduPoint is considered appropriate to overcome this problem. EduPoint is a learning tool designed as a medium for providing access to mobile learning that can be accessed via various devices such as laptops, computers, smartphones and tablets in a local network so that it does not require quota or unstable signals due to earthquake conditions. This tool is designed so that students can study anywhere without having to take place in the classroom. The design concept of this tool is intended to accommodate the learning process so that it can continue under any conditions so that it can be easily moved wherever learning conditions take place (portable). After completing the development of the tool, training is needed for teachers to use it. The training activity on using EduPoint: Mini Drive Learning Resources for Disaster Emergency Schools ran smoothly. The response from the partners and training participants was very good thanks to the good cooperation between the University of Ibn Khaldun Bogor and the partners involved. The results of the training show that teachers are able to properly use the learning resources accessed through EduPoint.

Keywords: Edupoint, Learning Media, Learning Resources.

INTRODUCTION

On November 21, 2022, at 13.21 WIB, an earthquake measuring 5.6 Mw occurred in Cianjur Regency, West Java, which was followed by hundreds of aftershocks. The earthquake had an impact on the cessation of various aspects of life, including education. There was

various damage to public facilities, including educational facilities, which caused many schools to be inactive in providing education due to the earthquake. The Ministry of Education and Culture has taken various quick steps to help educators, education staff, and students as well as affected educational facilities so that access to education remains available (Radio Education, 2022), including preparing class tents, books, stationery, folding tables, etc. (Antara, 2022).

Law Number 24 of 2007 concerning disaster management outlines that "disasters are events or series of events that threaten and disrupt people's lives and livelihoods caused, both natural, non-natural and human factors, causing casualties, environmental damage, losses property, and psychological impact". Increasing the risk of geological disasters, and increasing the potential impact and risk of hydro-meteorological disasters due to climate change are currently strategic issues (BNPB, 2020). Data published by the National Disaster Management Agency (BNPB) shows that there were 5,402 disaster events in Indonesia in 2021 (BNPB, 2022).

The results of initial observations, especially in Padaluyu Village, Cugenang District, obtained data that there were 27 RTs spread across Padaluyu Village. Condition of 8 RTs experienced very severe damage (all houses collapsed) 19 RTs experienced severe and moderate damage. There are elementary schools in the Cugenang Subdistrict that need assistance regarding the implementation of learning, especially the availability of learning resources, namely SDN Padamamur, SDN Padaluyu, and SDN Kembang Manis 2. Therefore it is necessary to develop the EduPoint device: Mini Drive Learning Resources which contains various learning media downloaded from the portal Ministry of Education and Culture Learning House and can be accessed outside the network through various devices such as computers, laptops, tablets, and smartphones. The product description produced is as follows.

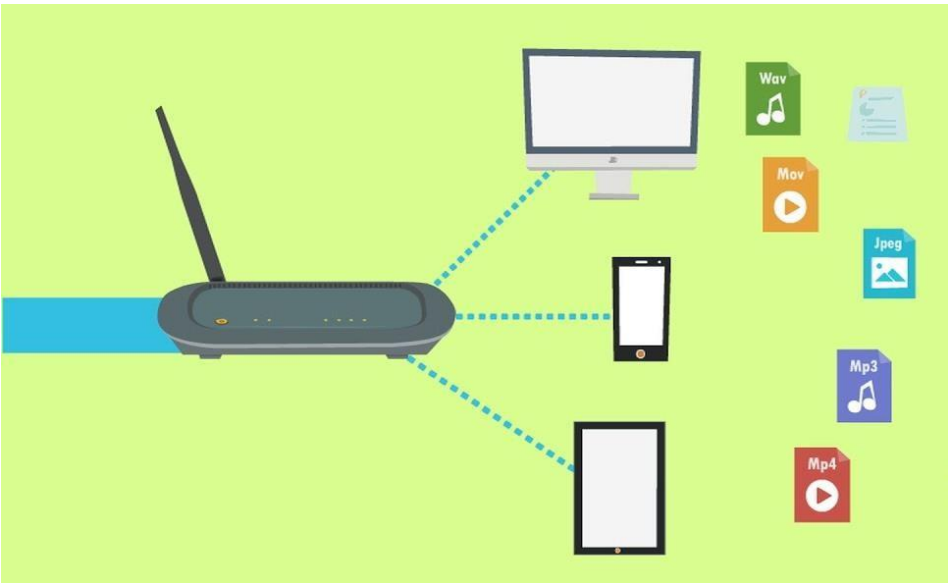


Figure 1. EduPoint Design

Amid the downturn, the earthquake that occurred would not hinder the process of innovation in the world of education. This Community Service Activity is a momentum for

academics at the University of Ibn Khaldun Bogor to make a real contribution in providing constructive solutions to solving partners' problems as well as being a means of spurring the educational leap process towards the achievement target of independent learning.

Many schools have used routers like this for learning, one of which is SMAN Padalarang which uses SEAMEO SEAMOLEC's SIERRA product. SIERRA has been used by SMAN 2 Padalarang which acts as a reference school at Padalarang Open Senior High School (SMA Open). This device was chosen as a solution to access learning materials without the internet because this school lacks internet connectivity. Installation of SIERRA in Padalarang is highly recommended based on the highland topography. During the SIERRA trial, a total of 126 students were recorded at the Cihampelas learning center/TKB (Seamolec, 2022).

From the results of developing the EduPoint: Mini Drive Learning Resources tool, training is needed for teachers in schools to use it. Practical training so that teachers can understand how to use it properly and use it in schools effectively. The partners in this PKM activity were 3 schools, namely: SDN Padamamur, SDN Padaluyu, and SDN Kembang Manis 2, Cianjur Regency, West Java. The following is a map of the locations where PKM activities take place at partner locations:

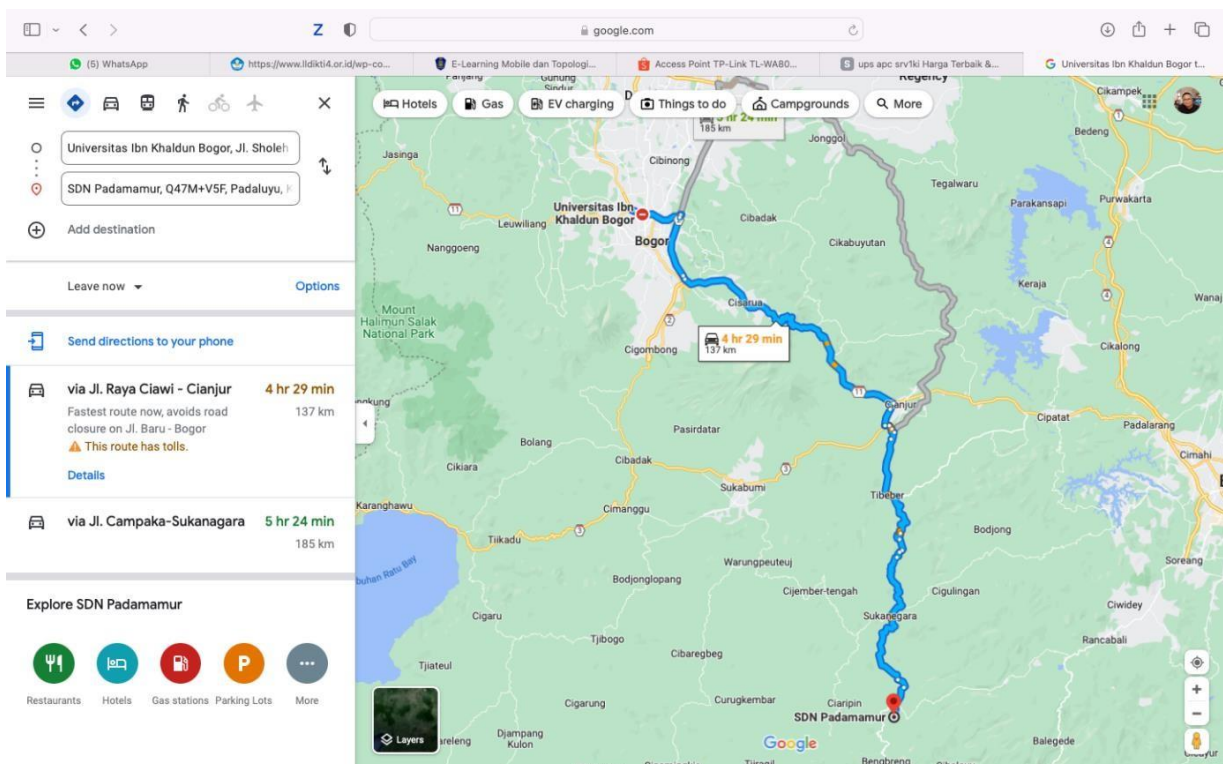


Figure 2. Map of the Location of PKM Implementation

IMPLEMENTATION METHOD

The objectives of this community service program are:

- 1) Develop tools that can be used as media providers of learning resources that can be accessed without an internet network.
- 2) Train teachers using the learning resources available on EduPoint.
- 3) Facilitate education in disaster emergency conditions

This community service program is by IKU 2: Students Gain Experience Off-Campus, IKU 3: Lecturers Do Activities Off-Campus, IKU 5: Lecturers' Work Results Are Used by the Community or Get International Recognition, and IKU 7: Collaborative and Participatory Classes. The focus of this community service program is to assist teachers in the availability of learning resources in disaster-affected areas so that teachers can feel comfortable in carrying out learning and assist in the continuity of learning in disaster-affected areas.

The training was held on Friday 16 December 2022 at Padaluyu Village, Cugenang District, Cianjur Regency. Previously carried out field surveys, needs analysis, tool design, tool development, obtaining permits from the Village Head, coordinating with the School Principal, and socializing the implementation of training and mentoring activities.

Table 1. Activity Description

No	Description of activities	Purpose	Target
1	Field Survey	Obtain accurate data and information related to the condition of the school	Partner School
2	Needs Analysis	Analysis of partner needs, analysis of technology design, and analysis of conditions of	Partner School
3	Cooperation Management	Collaboration between Universities and Schools, Clusters, and Village Heads	Head of Village, Head of Gusus, Head of Partner
4	Tool Development	Generate EduPoint tools as mini-learning resource drives	Partner School
5	Socialization	Inform teachers at Partner Schools regarding training activities	Teacher
6	Implementation of Training	Increase teacher knowledge and skills in using EduPoint as a mini-dice learning resource	Teacher

Participants and Training Implementation Procedures

The training participants were teachers at Partner Schools, where the participants who took part in this training were 23 teachers from SDN Padaluyu, SDN Padamamur, and SDN Kembang Manis 2, Cianjur Regency, West Java. Training materials and training resource persons are:

Table 2. Materials and Resource Persons

No.	Training materials	Informant
1	Village Policy regarding Implementation of Disaster Emergency Learning	Neng Susilawati (Head of Padaluyu Village)
2	Disaster Emergency School	Yusuf Suherman, S.Pd., M.M.Pd (Chairman of Cluster 7)
3	Use of EduPoint: Mini Drive Learning Resources for Disaster Emergency Schools	Bambang Karyadi, S.T., M.Pd

Tools and Materials Used

The tools and materials used in this training are a set of EduPoint tools: Mini Drive Learning Resources (Router and Harddisk), LCD Projector, Screen, Laptop, Smart Phone, Cable Terminal, Sound System, and ATK.

Participation of Partners in the Implementation of Training Activities

Very active partner participation will determine the success of this training. Forms of partner participation are actively involved in the process of providing places, necessary training equipment, licensing, outreach to teachers, and so on. The participants' activeness in the training was also very good and hoped that the application of this EduPoint technology in schools could be carried out effectively.

Forms of Assistance

The Community Service Team at the University of Ibn Khaldun Bogor continues to carry out assistance as part of the success of this program, both related to the use of tools, adding accessible learning resources, and providing alternative solutions to the problems faced by partners.

RESULTS AND DISCUSSION

Implementation of Training

The training was held on Friday, 16 December 2022 in Padaluyu Village, which was preceded by a report by the head of the Community Service team at Ibn Khaldun University, Bogor, Dr. Dedi Supriadi, M.Sc., M.Pd and subsequently opened by the Head of Padaluyu Village, Mrs. Neng Susilawati.



Figure 3. Activity Report by Dr. Dedi Supriadi, M.Si., M.Pd



Figure 4. Policy Materials as well as the Opening of the Training by Ms. Neng Susilawati as Head of Padaluyu Village

EduPoint Usage Practices

The main material, namely Using EduPoint: Mini Drive Learning Resources for Disaster Emergency Schools was delivered by Mr. Bambang Karyadi, ST., M.Pd as a resource person from SMK Geo-Informatics, Bogor Regency.



Figure 5. Router used as EduPoint



Figure 6. Mr. Bambang Karyadi teaches Using EduPoint: Mini Drive Learning Resources for Disaster Emergency Schools

Participants are guided to practice how to access learning resources available at EduPoint both via laptops and smartphones.

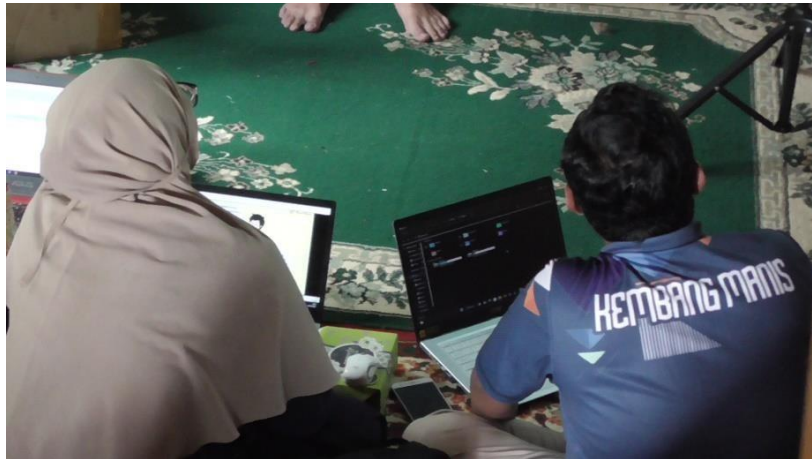


Figure 7. Participants access EduPoint via laptop



Figure 8. Participants access EduPoint via Smartphone



Figure 9. Participants look happy following the training

The training activity ended with the delivery of EduPoint tool packages for 3 schools namely SDN Padamamur, SDN Padaluyu, and SDN Kembang Manis 2 Cianjur Regency which was witnessed by Ms. Neng Susilawati as the Head of Padaluyu Village.



Figure 10. Submission of Edu Point Tools

The results of this training surveyed teachers and interviews of teachers, the data from the survey results are presented as follows:

The implementation of this training provides many benefits for teachers in supporting learning in schools.

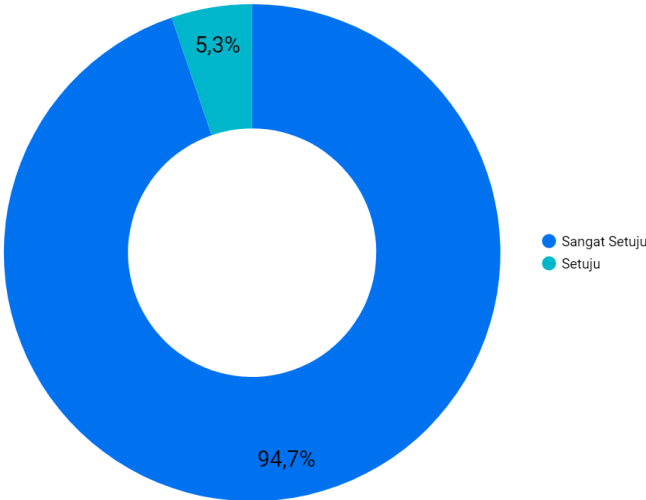


Figure 11. Training Benefits Graph

From Figure 11 above it can be concluded that 100% of teachers felt the benefits of implementing the training, with 94.7% feeling strongly agreed, and 5.3% agreeing.

Implementation of training as needed in schools?

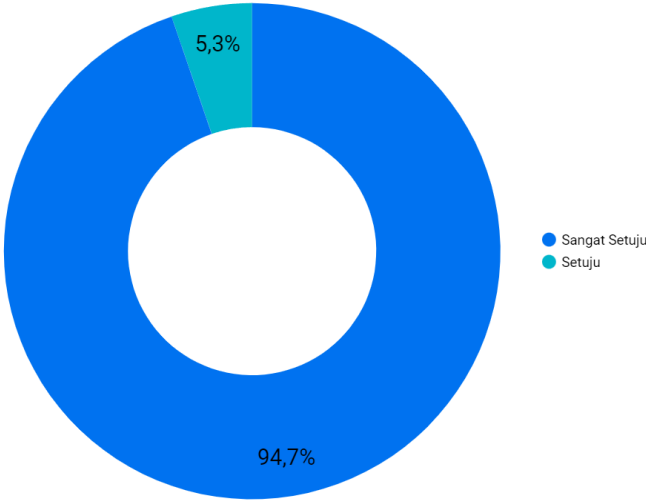


Figure 12. Training Suitability Graph

From Figure 12 above, it can be concluded that 100% of teachers feel that the training is to the needs of the school, with 94.7% feeling that they strongly agree, and 5.3% agreeing.

Implementation of the training was effective in providing insight into the implementation of the Emergency School?

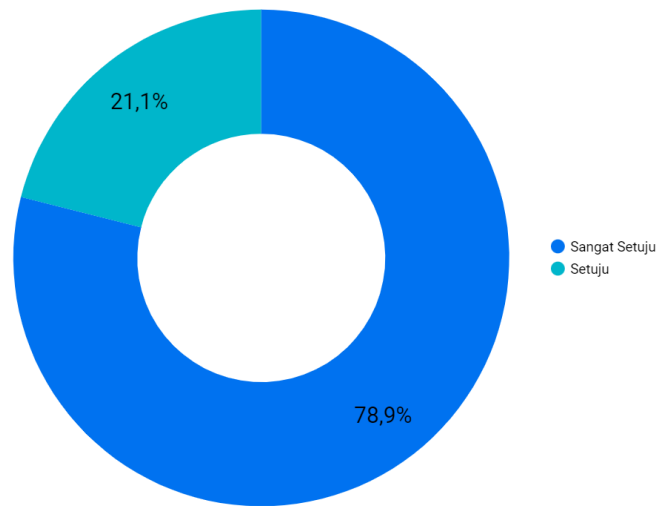


Figure 13. Graph of Training Effectiveness

From Figure 13 above, it can be concluded that 100% of teachers felt the training was effective and provided insight into the implementation of learning in Emergency Schools, with 78.9% feeling strongly in agreement, and 21.1% agreeing.

EduPoint helps implement learning in Emergency Schools?

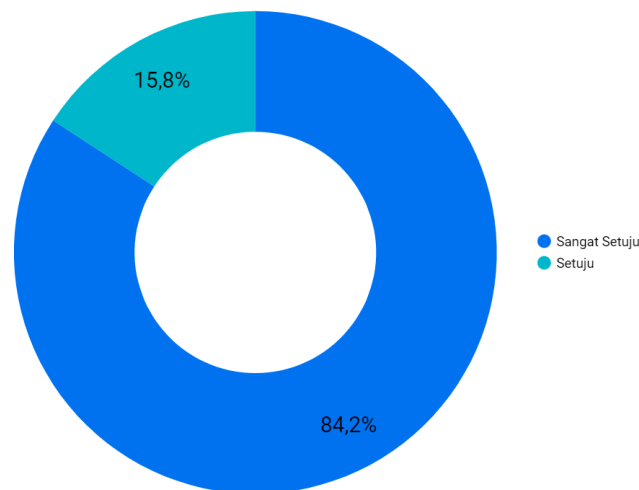


Figure 14. Graph of the Usefulness of EduPoint in Learning

From Figure 14 above it can be concluded that 100% of teachers feel that EduPoint is useful in implementing learning in Emergency Schools, with 84.2% feeling strongly agree, and 15.8% agreeing.

EduPoint dapat mengurangi beban guru dalam pembelajaran di Sekolah Darurat?

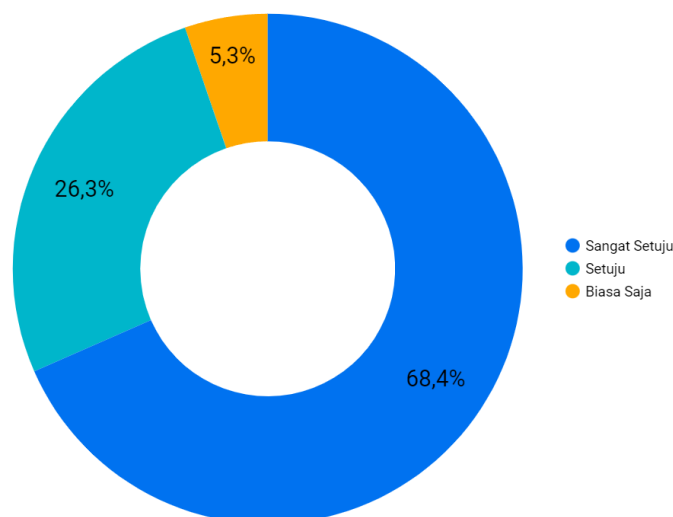


Figure 15. Graph of the Usefulness of EduPoint in Reducing Teachers' Burden

From Figure 15 above it can be concluded that 94.7% of teachers feel that EduPoint can reduce the teacher's burden on learning in Emergency Schools, with 68.4% feeling very agree, 26.3% agree, and 5.3% teachers feel it is normal.

CONCLUSION

Community service activities related to the development of EduPoint: Mini Drive Learning Resources for Disaster Emergency Schools ran smoothly. The response from the partners and training participants was very good thanks to the good cooperation between the University of Ibn Khaldun Bogor and the partners involved. The results of the training show that teachers can properly use the learning resources accessed through EduPoint, the implementation of training provides many benefits for teachers in supporting learning in schools, the implementation of training according to needs in schools, the implementation of training runs effectively in providing insight into the implementation of Emergency Schools, EduPoint assist the implementation of learning in Emergency Schools, and EduPoint can reduce the burden on teachers in learning in Emergency Schools.

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