



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

SEAMEO-Japan ESD Award

Theme for 2012: Education for Disaster Risk Reduction

Supporting Partners:



Bangkok Office
Asia and Pacific Regional
Bureau for Education



Bank of Tokyo-Mitsubishi UFJ

Submission Form of SEAMEO-Japan ESD Award
The last day for submission of entries: 25 August 2012

Education for Disaster Risk Reduction



SMK NEGERI 59 JAKARTA

Jl. Peninggaran Barat I, Kebayoran Lama, Jakarta Selatan. Ttp. +62217292899, Fax, +62217292898

Website : www.smkn59dki.sch.id, e-mail : smk59jaksel@yahoo.com

PART I: Details of Your School

1. Name of your school: SMK NEGERI 59 JAKARTA (VOCATIONAL HIGH SCHOOL OF 59)
2. Full address: Jl. Peninggaran Barat I, Kebayoran Lama Utara, Kebayoran Lama, Jakarta Selatan
3. Postcode: 12240
4. Country: Indonesia
5. Telephone number (country code+city code+telephone number): +6221729299
6. Fax number (country code+city code+fax number): +62217292899
7. Name of the Head Master/ Principal/ School Director: Drs. H. A. Syamsiar
8. Name of Teacher Coordinator: Pambudi Nugroho.
9. Email address: budismk59@yahoo.com
10. School website (if available): www.smkn59dki.sch.id
11. Educational level (Such as Kindergarten 1 to Grade/Year 9): Vocational School (Senior High School) 10 to Grade/Year 12
12. Number of teachers in your school: 30
13. Number of students in your school: 415
14. Please provide the name of teachers and students who were/have been involved in the planning and implementation of this school activity/programme on Education for Disaster Risk Reduction.

Teachers:

- a) Pambudi Nugroho
- b) Sukarno
- c) Unwanah
- d) Sumiyar
- e) Ismunanto
- f) Fajar

Students:

- | | |
|-------------------------|-------------------|
| a) Elda Oktaviani | m) Putri Maesaroh |
| b) Fitria Ningsih | n) Bella Noviana |
| c) Siti Fitriani | o) Novi S. |
| d) Novita | p) Yuni |
| e) Nyai Ratih Kurniasih | q) Siti K. |
| f) Luki Ilaili | r) Dina |
| g) Farha Dinanti Kirli | s) Mutia |
| h) Rahma Faris Ulfa | t) Anggraini |
| i) Anastasya Della | u) Yunita |
| j) Ismi Hayati | v) Dewi |
| k) Yah Diyani | w) Nurul |
| l) Ilma Destriani | x) Vivi |

PART II: Information about the School's Activity/Programme on Education for Disaster Risk Reduction

LET'S PREPARE FOR DISASTER (AYO SIAGA BENCANA)

1. Summary of the activity/programme

Children is one of the most vulnerable groups at risk from disasters. The vulnerability of children to disasters triggered by a factor of lack of understanding about the risks around them, which resulted in the lack of preparedness in the face of disaster. One effort that has been done to mainstream school disaster preparedness and risk reduction education is through the mobilization of a network of Youth Red Cross (PMR) and volunteers. School Disaster Preparedness program is an effort to promote the concept of disaster preparedness and risk reduction for students through the development of extracurricular educational programs utilizing accepted by the PMR and adolescent peer group approach. PMR, a teenage member of Indonesian Red Cross (PMI) have a role and opportunities for peer group influence, both at school and outside school, to improve the life skills that can reduce health problems and the impact caused by the disaster. Children and young people together to exchange information, identify problems, devise solutions and make a deal with the activities and risk reduction behavior. Positive behavior that begins early on will have an impact on improving their quality of life in the future and provide a positive impact on the behavior of adults.

Children and adults are trained using either traditional or technology. Using the traditional way student taught how to use bamboos and rope to make a fast emergency stretcher, using backpack as a supply saving for emergency purposes, making the warning sign using paper, and the use of first aid. Using the technology way both student and teacher use computer facilities, projector, interactive white board, internet, video, social networking, and teleconferencing in delivering a presentation on natural disasters

2. Background information or reasons why the school initiated this activity/programme

Indonesia is a country that is highly vulnerable to disasters. Tectonic plates that runs in the Indonesian archipelago is often having a seismic activity caused the area is very susceptible to earthquakes, floods, landslides and tsunamis as well as various other types of disasters. Based on data from the Ministry of Social Affairs, Indonesia experienced natural disasters an average of 2.75 times per day. Statistically, the average person affected by the disaster in Indonesia tends to increase for more than 20 years.

Jakarta as the Capital of the State is not a disaster-free province, but it is a province that is prone to disasters. In addition to the frequent floods hit Jakarta, DKI Jakarta is now also under threat from earthquakes, and volcanoes stunami. This is because of the threat of plates under the earth can move at any time and can lead to earthquakes and tsunami. As well as the volcano in West Java can spew lava at any time with devastating and can be life threatening in Jakarta.

Especially now that most concern is the result of global warming. Jakarta is one of the beachside city who will become the main victims of the effects of global warming. Floods, tides, coastal erosion, fire, temperature rise and spread of the disease would be a serious threat in the future. SMK Negeri 59 (59 School) is located in South Jakarta, one of the Jakarta district. 59 school has a 4th floor building, near the Pesanggrahan river one of the 13 largest rivers, 25 km from the Java Sea and 80.4 km from the nearest mountain (mount Salak).

3. Objectives/goals of the activity/programme

1. Concepts, strategies and approaches have been introduced School Disaster Preparedness and Risk Reduction Program is integrated in the Integrated Community Based in our school.

2. PMR as a peer leader role (model), peer support (support) and peer educators (educators) for risk reduction and facilitate risk reduction activities among children and adolescents.
3. Children and teenager have been involved in the process of assessment, decision making, planning, implementation of risk reduction activities.
4. Support the socialization of youth peer education strategies in disaster preparedness and risk reduction.

4. Period of time when this activity/programme was/has been implemented

July 16, 2010 – August 9, 2012

5. Activities (Short-term actions and strategies of implementation of the short-term actions)

Basic/Hazard knowledge

Basic knowledge about the types of disasters, how it happens, when, where and why it happens, also the effects of the disaster.

Fast Emergency Stretcher

Students (Youth Red Cross) make an emergency stretcher using two long bamboos approximately 2.25 m long and two short bamboos for buffers approximately 0.60 m long and put together using a rope with a length of 13 m for 2 students. And covered with 3 pieces of the triangular bandage (mitela).

Disaster Preparedness Bag

Disaster preparedness bag can be made from the existing bag lined with plastic containing mild drugs and first aid supplies, mineral water and dry food, flashlight, whistle, matches, blankets, clothes, toiletries (toothbrush, toothpaste, soap, tissue, sanitary napkins, etc), footwear, and a large plastic bag.

Sign

Students made a sign that is easily recognizable by humans in avoiding earthquake. signs are telling shelter, caution and should not cover.

Poster

Students put up some posters related to how to deal with the disasters and where to stand or hide in a safe place, in this case the earthquake.

Social Networking

Teachers or students using social networking such as facebook or twitter to socialize the disasters preparedness programme.

Video

Students create a video clip about disaster preparedness preparations containing socialization what have to do when an earthquake happens in a building and activities how to make a fast emergency stretcher. And the video is uploaded to the school website.

Presentation

Students gave a presentation on the basic knowledge of disaster to its college, junior high students, and teachers. The basic knowledge given is about floods and earthquakes. what to do before, while, and after a disaster happens.

Teleconference

Teachers or students gave presentations between schools using the bigbluebutton server facility for the teleconference.

6. Resources used for implementing the activity/programme

- Books from Indonesian Red Cross about how to prepare for disaster.
- Internet Connection.
- Handycam.
- Computer or Notebook.
- Projector
- Interactive White Board
- Poster.
- Magazine.
- Papers.
- Bamboos.
- Rope.
- Triangular Bandage (mitela).
- First Aid Kit.

7. Monitoring and evaluation mechanism and results

Online test based on Moodle

Surname	First name	Institution	Email address	Started on	Completed	Time taken	Q. 1	Q. 2	Q. 3	Q. 4	Q. 1	Q. 2	Q. 3	Q. 4	Q. 5	Q. 6	Grade/100.00
oktavi	elda	SMK59	elda@pmr.com	4 August 2012 01:52 PM	4 August 2012 02:43 PM	50 mins 28 secs	10	10	10	10	10	10	10	10	0	10	90
tri	annisa	SMP153	annisa@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:31 PM	6 mins 34 secs	10	0	10	10	10	10	10	10	10	10	90
wita	juwita	SMP153	juwita@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:34 PM	8 mins 41 secs	10	0	10	0	10	10	10	10	10	10	80
syauqotul	novi	SMP153	novi@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:46 PM	20 mins 49 secs	10	10	10	0	10	10	10	10	10	10	90
wati	julia	SMP153	julia@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:34 PM	9 mins 5 secs	10	0	-	0	-	10	10	10	0	-	40
handa	dewi	SMP153	dewi@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:34 PM	8 mins 44 secs	10	0	10	0	10	10	10	10	10	10	80
novi	astria	SMP153	astria@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:33 PM	8 mins 2 secs	10	0	0	0	10	10	10	10	10	10	70
fauziah	aulia	SMP153	aulia@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:36 PM	10 mins 58 secs	10	10	10	10	10	10	10	10	0	10	90
farhani	siti	SMP153	siti@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:35 PM	10 mins 13 secs	0	10	0	0	10	0	10	10	10	-	50
salsabila	aurellya	SMP153	aurel@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:32 PM	7 mins 9 secs	10	10	-	10	10	10	10	10	10	10	90
septi	yani	SMP153	yani@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:32 PM	7 mins 31 secs	10	10	10	10	10	10	10	10	10	10	100
aulia	defita	SMP153	defita@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:33 PM	8 mins 32 secs	10	10	10	10	10	10	10	10	10	10	100
maulita	elfira	SMP153	elfira@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:36 PM	11 mins 26 secs	10	10	0	10	10	10	10	10	10	10	90
amelia	rinda	SMP153	rinda@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:35 PM	9 mins 36 secs	10	0	10	10	10	10	10	10	-	10	80
permatasari	amelia	SMP153	amelia@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:33 PM	8 mins 15 secs	10	0	0	10	10	10	10	10	0	10	70
sekar	gilar	SMP153	gilar@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:33 PM	8 mins 14 secs	10	0	10	10	10	10	10	10	0	10	80
safitri	nadila	SMP153	nadila@pmr.com	4 August 2012 02:25 PM	4 August 2012 02:33 PM	7 mins 21 secs	10	0	0	10	10	10	10	10	0	10	70
kurniati	anisa	SMP153	anisa@pmr.com	4 August 2012 02:27 PM	4 August 2012 02:33 PM	6 mins 50 secs	10	10	10	10	10	10	10	10	10	10	100
amanah	nabilah	SMP153	nabilah@pmr.com	4 August 2012 02:29 PM	4 August 2012 02:37 PM	7 mins 34 secs	10	10	0	10	10	10	10	10	10	10	90
munah	maemunah	SMP153	maemunah@pmr.com	4 August 2012 02:32 PM	4 August 2012 02:38 PM	6 mins 28 secs	10	0	10	10	10	10	10	10	10	10	90
Overall average							9,5	5	6	7	9,5	9,5	10	10	6,5	9	82

8. List of partners, local government bodies, companies or development agencies who participated in the planning and implementation, including their roles in the activity/programme.

Name of Partners	Roles or contributions
a) Indonesian Red Cross	Provide information, facilitator, training, guidance and equipment.
b) Deputy of Education	Supporting the programme and equipment
c) Sub-Deputy of Education	Supporting the programme and equipment
d) Sub-District of South Jakarta	Supporting the programme and equipment
e) SMP Negeri 153 (Junior High School)	Participants
f) SMP Negeri 72 (Junior High School)	Participants

9. Benefits/impacts of the activity/programme to teachers, students and the community

Disasters public awareness

As a primary element of risk reduction creating of widespread understanding about disaster reduction have always been crucial elements in risk management strategies.

Can help reduce anxiety

Help to reduce the amount of stress and anxiety that generally occurs during an emergency situation. In many cases, increased amounts of stress and anxiety may cause a person to "freeze

Know how to react appropriately

Becoming familiar with the appropriate procedures, equipment and/or supplies needed during relevant forms of emergency situations, will increase your chances of being able to react appropriately.

Minimize the impact of the disasters

Becoming knowledgeable of what may occur in certain situations, can help you take steps to minimize the impact of a situation

10. Plan for sustainability and plan for the future

Plan for sustainability :

- Preparedness plans should include provisions for access to alternative communication systems among police, military and government networks.
- Standardized curricula for children and young adults should include information about actions which should be taken in case of a disaster threat or occurrence
- Workshops for children and young adults, either specifically or as an extra dimension of on-going programs, such as literacy, interactive cd, mobile learning, games, and cooperative training sites.
- Nowadays internet, especially social networking is becoming very popular among children and young adults, it can be use as a direct instruction, sensitively designed and projected messages can provide a useful supplement to the overall process.
- Involving the Youth Red Cross (PMR) as a part of school extracurricular and a member of Indonesian Red Cross (PMI) to transfer knowledge on risk reduction.

Plan for the future :

- Using interactive media to transfer disaster preparedness knowledge such as learning module, game and evaluation mechanism using flash, java programming, augmented reality, etc. So the education will become more interactive and fun.

- Nowadays the growth of computer technology becoming faster every people at least has one gadget either tablet pc or smartphone. The use of social networking or any other notification program on the gadget can be use as an early warning system.

11. List of attachments such as a copy of learning/ teaching materials, samples of student worksheet, manual, etc.

Attachment 1) Presentation file.rar

Attachment 2) <http://tube.smkn59dki.sch.id/videos/10/let's-prepare-for-disaster>

12. Photos related to the activity/programme (The school can provide the related photos as many as you can)



Figure 1. Flood surrounding the Pesanggrahan river



Figure 2. Creating fast emergency stretcher.



Figure 3. Helping the casualties





Figure 4. Creating poster, sign, and video.



Figure 5. Introducing 59 tube (Disaster video)



Figure 6. Students doing presentation to junior high school



Figure 7. Evaluation mechanism using Moodle

Quiz Ayo Siaga Bencana

learning.smkn59dki.sch.id/mod/quiz/report.php?id=8&mode=overview

Show / download marks for each question Yes

Show report

Regrade all Dry run a full regrade

Showing graded and ungraded attempts for each user. The one attempt for each user that is graded is highlighted. The grading method for this quiz is Highest grade.

Download table data as a Microsoft Excel spreadsheet

	First name / Surname	Started on	Completed	Time taken	Q. 1 /10.00	Q. 2 /10.00	Q. 3 /16.00	Q. 4 /10.00	Q. 5 /10.00	Q. 6 /10.00	Q. 7 /10.00	Q. 8 /10.00	Q. 9 /10.00	Q. 10 /10.00	Grade/100.00
<input type="checkbox"/>	elda oktavi Review attempt	4 August 2012 01:52 PM	4 August 2012 02:43 PM	50 mins 28 secs	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	0.00 ✗	10.00 ✓	60.00
<input type="checkbox"/>	annisa tri Review attempt	4 August 2012 02:25 PM	4 August 2012 02:31 PM	6 mins 34 secs	10.00 ✓	0.00 ✗	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	60.00
<input type="checkbox"/>	juwita wita Review attempt	4 August 2012 02:25 PM	4 August 2012 02:34 PM	8 mins 41 secs	10.00 ✓	0.00 ✗	10.00 ✓	0.00 ✗	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	60.00
<input type="checkbox"/>	novi syauqotul Review attempt	4 August 2012 02:25 PM	4 August 2012 02:46 PM	20 mins 49 secs	10.00 ✓	10.00 ✓	10.00 ✓	0.00 ✗	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	90.00
<input type="checkbox"/>	julia wati Review attempt	4 August 2012 02:25 PM	4 August 2012 02:34 PM	9 mins 5 secs	10.00 ✓	0.00 ✗	✗	0.00 ✗	✗	10.00 ✓	10.00 ✓	10.00 ✓	0.00 ✗	✗	40.00
<input type="checkbox"/>	dewi handa Review attempt	4 August 2012 02:25 PM	4 August 2012 02:34 PM	8 mins 44 secs	10.00 ✓	0.00 ✗	10.00 ✓	0.00 ✗	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	60.00
<input type="checkbox"/>	astria novi Review attempt	4 August 2012 02:25 PM	4 August 2012 02:33 PM	8 mins 2 secs	10.00 ✓	0.00 ✗	0.00 ✗	0.00 ✗	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	10.00 ✓	70.00

Quiz Ayo Siaga Bencana

learning.smkn59dki.sch.id/mod/quiz/report.php?id=8&mode=overview

Overall number of students achieving grade ranges

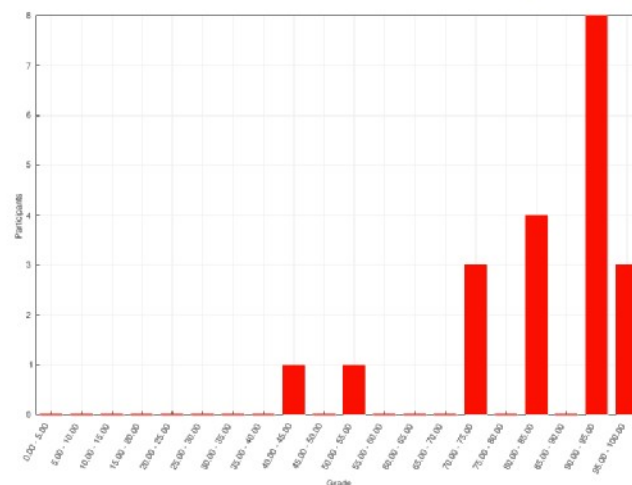


Figure 8. Workshop test result using Moodle.



Figure 9. Reward for the best achievement test result.

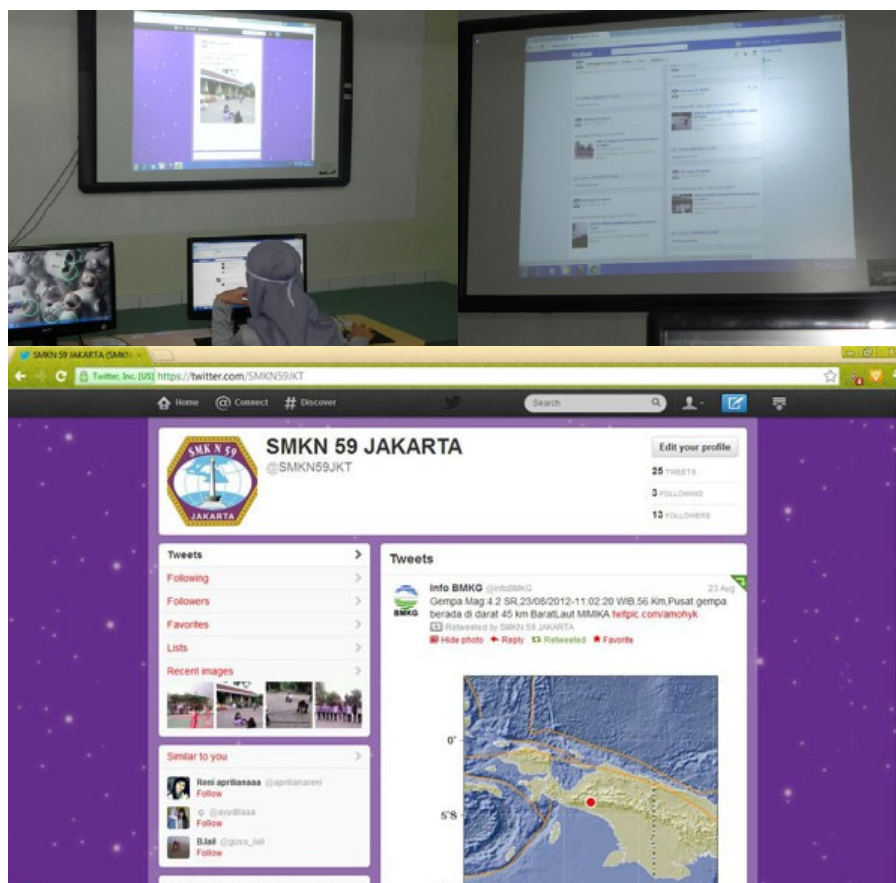


Figure 10. Using social networking as a disaster information.



Figure 11. Students doing presentation using teleconference



Figure 12. Teleconference between SMK N 59 (South Jakarta) with SMP N 72 (Center Jakarta)