REPORT

Workshop on Disaster Risk Reduction (DRR) Education

5 - 7 May 2021, Santika Hotel
Depok, West Java
Indonesia
# REPORT

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. BACKGROUND</td>
<td>3</td>
</tr>
<tr>
<td>II. OBJECTIVES &amp; EXPECTED OUTCOME</td>
<td>4</td>
</tr>
<tr>
<td>III. LIST OF PARTICIPANTS</td>
<td>4</td>
</tr>
<tr>
<td>IV. DISASTER RISK REDUCTION</td>
<td>5</td>
</tr>
<tr>
<td>A. Opening Ceremony</td>
<td>5</td>
</tr>
<tr>
<td>B. Panel Sessions</td>
<td>6</td>
</tr>
<tr>
<td>C. Group Discussion and Presentation</td>
<td>8</td>
</tr>
<tr>
<td>D. Closing Ceremony</td>
<td>10</td>
</tr>
<tr>
<td>ANNEXES</td>
<td>11</td>
</tr>
</tbody>
</table>
I. BACKGROUND

As a follow up of the organization of Climate Change Education in March 2021, Indonesian National Commission for UNESCO Committee which made an evaluation of the discussion during the CCE Workshop has decided to organize Disaster Reduction Workshop which is closely linked to the impacts of the climate change.

The workshop on DRR was organized by inviting the UNESCO Associated Schools Network (ASPnet) which is designed to improve innovation and quality of education as a tool to achieve the target 4.7 of SDG-4 toward SDG 2030. UNESCO played an important role in DRR initiatives through UNESCO-led “Education for All by 2015” and International Decade on Education for Sustainable Development (DESD) including Education for Disaster Preparedness (EDP). As a substantive implementer, UNESCO will also determine how best to contribute to the fulfillment of the WSSD educational objectives, selecting strategic projects, programmes, activities and efforts to maximize quality and impact with available human and financial resources.

In line with UNESCO, ASPNet also set its top priorities to Education for Sustainable Development (ESD) and Climate Change to help reorient education worldwide and build a more sustainable communities.

Climate Change Education and Disaster Risk Reduction are two of the Five Themes of Education of Sustainable Development. The Intergovernmental Panel on Climate Change (IPCC) has recognized that global warming and climate variability will exacerbate the frequency and intensity of disasters worldwide, including El Nino and La Nina. Unsustainable development and climate change will increase societal vulnerabilities to hazards.

Disaster Risk Reduction Education is a long-term initiative to support sustainable development. Education institutions should play as one of the most critical roles in shaping the world’s future. Education is a very important tool in helping disaster risk reduction efforts and initiatives to meet the target and we have to introduce DRR education as early as possible to our students which will make them to be ready against the possible disasters.
To encourage more schools participation in Climate Change Education and DRR Education programmes and to support the efforts to improve DRR Education in Indonesia, ASPnet – Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology hosted the Socialization of Workshop on DRR, 5-7 May 2021 at Santika Hotel, Depok, West Java – Indonesia as a part of the ASPnet Project funded by UNESCO: Climate Change Education 2021.

II. OBJECTIVES & EXPECTED OUTCOME

The objectives of this activity are:
1. To raise teacher's awareness and understanding of disaster risk reduction issue as an effort to increase students and community's knowledge on the said issue.
2. To strengthen educational knowledge on disaster risk reduction by inviting experts on DRR to make their presentations on DRR
3. To encourage schools' contribution in improving DRR awareness
4. To make action plans on DRR based on three levels of education as ASPNet model schools and to practice them at their schools
5. To encourage more ASPnet teachers and students to be change agents.

The expected outcome of this activity is to invite participated schools to make DRR efforts in their schools based on the Experts’ information as key ideas in implementing Disaster Risks Reduction programmes in their school and community and to encourage more schools to contribute in reducing risks of disaster.

III. LIST OF PARTICIPANTS

Indonesian teachers from both ASPnet member schools and also non-member were invited to join the event through both physical attendance and online platform (Zoom meeting).

Ten ASPnet schools located in Jakarta who joined the CCE Workshop in March 2021 were invited to improve their knowledge and understanding on disaster risk and to make action plans during the workshop.

The list of participants is attached as Annex 1.
IV. DISASTER RISK REDUCTION

A. Opening Ceremony

Prof. DR. Arief Rachman, M.Pd., the Executive Chairman of Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology greeted all guests and participants. He began his speech by a powerful statement about the impact of climate change to disasters. He said that Disasters are in constant rise due to the increased vulnerability of our community because of the population growth, lack of land-use planning, poor management of natural resources and continued deforestation and destruction of natural ecosystem. He also gave examples about the impact of natural disasters to students based on factual event of which many students died during the natural disasters.

Prof. Arief Rachman shared strategies for reducing disaster risk through the following five priorities:
Priority 1 - Ensure that disaster risk reduction is a national priority,
Priority 2 - Identify, assess and monitor disaster risks and enhance early warning,
Priority 3 - Use knowledge, innovation and education to build a culture of safety and resilience at all level.
Priority 4 - Reduce the underlying risk factors, and
Priority 5 - Strengthen disaster preparedness for effective response at all levels.

And he finally said

By the name of God, the Most Gracious and the Most Merciful, I officially opened the Workshop on Disaster Risk Reduction.

The presentation of Prof. Arief Rachman is attached as Annex 2A.
B. Panel Sessions

a. National Strategy and Policy on Disaster Risk Reduction and Disaster-Ready School Programme

By: DR. Ir. Udrek – Director of Disaster Management System, National Agency for Disaster Management

Within a month, Indonesia has experienced 263 disasters in January 2021. National Agency for Disaster Management’s first step to support Disaster Safe Education Unit (DSUU) was started on 2010 with Safe-School Commitment Campaign and targeting 100% DSUU implementation in 2024. DSUU policy in Indonesia covered various levels, from local regency, province, to national policy.

DR. Udrek explained about INARISK, an online application developed by National Agency for Disaster Management since 2016. This application utilizes the results of various disaster risk studies available in the internet and enhancing its performance by coordinating with various parties. INARISK is available to be downloaded for Android smartphone in Google Playstore under the name: “INARISK Personal”. The presentation of Dr. Udrek is attached as Annex 2B.

b. Disaster Safety Education Unit: Policy and Implementation in Indonesia

By: Faishal Khalid – Programme Officer, National Secretariat of Disaster Safety Education Unit, Ministry of Education, Culture, Research and Technology

The impact of natural disaster in Indonesia is massive. The data collected from 2009 to 2018 shown positive trend of natural disasters recorded in Indonesia which is thrice more often in 2018. In 2020, there were a total of 2,939 disasters across Indonesia which took 370 causalities, 39 missing, and millions suffering, not to mention materials and psychological impacts. While this number excluded non-natural disaster, such as Covid-19 pandemic, the damages caused by natural disasters is massive. It would be impossible to improve disaster readiness without improving people awareness and formulate a better disaster-related policies, regulations, and implementations. And the fact of Indonesia’s geographical condition, the challenge to implement disaster-readiness program should be increased.
Education sector is one of the most heavily affected. Within the 10 years period from 2009 to 2018, there were more than 62 thousands school buildings affected by the natural disasters which also affected more than 12 million students. During 2019 to 2020, there were more than 75% school building is located in disaster-prone area, which mean more than 480 thousands schools are in highly-risked area. Disaster Education Units Programme is an initiative created by the Ministry of Education, Culture, Research and Technology to address the issues of disaster-readiness in formal and non-formal educational facilities and institutes in Indonesia. This program involved various stakeholders including National Agency for Disaster Management.

The presentation of Mr. Khalid is attached as Annex 2C.

**c. Comprehensive Safe Schools Approach and UNESCO's Safe Schools Programme**

*By: Ardito M. Kodijat – Programme Officer, UNESCO Office Jakarta*

Mr. Kodijat explained DRR initiatives in UNESCO Office Jakarta which begun in 2003 by publishing series of three resources books: for teacher, teaching material, and student book on Emergency Preparedness with Bandung Institute of Technology and UNISDR. The resources book was also re-published on 2007.

Mr. Kodijat also describe eight UNESCO’s thematic contribution to DRR consist of: Science, Technology, Innovation for Resilience, Early Warning System, Built Environment, Education and School Safety, DRR for Culture and Sites, Ecosystem-Based DRR, Post Disaster Response, and Risk Governance and Social Resilience. In his presentation, Mr. Kodijat explained the implementation of Comprehensive School Safety Framework to reduce risks from all hazards through 3 pillars: Safe Learning Facilities, Disaster Management at School, Resilience and Risk Reduction Education. The long-term objective of this initiative is to reach 100% Safe Schools by 2030.

The presentation of Mr. Kodijat is attached as Annex 2D.
d. Book Review: A Teacher’s Guide to Disaster Risk Reduction
By: Leni Lesnawati – Teacher, Ciasem 1 Public Junior High School, Subang – West Java

UNESCO’s “Stay Safe and be Prepared” – A Teacher’s Guide to Disaster Risk Reduction is a part of a three-book Compendium on Disaster Risk Reduction (DRR) published by UNESCO in 2014. This Teachers’ Guide is organized around four steps to becoming a DRR educator:

1. Basic concepts to be able to effectively facilitate DRR learning,
2. How to facilitate DRR learning,
3. How you can make your school a safer place, and
4. How you can support your students’ psychosocial recovery after a disaster.

Ms. Lesnawati also shared the Subang Regency’s experience on disaster management, and she also conducted a survey to measure participant’s understanding on disaster-readiness.

The presentation of Ms. Lesnawati is attached as Annex 2E.

C. Group Discussion and Presentation

Ms. Hasnah Gasim, National Coordinator of ASPNet – Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology encouraged participants to do their best, because taking action only is not enough without really doing the best of it. She also reviewed the previous session and emphasized the correlation between climate change and disasters. She also encourage participating teachers to participate actively and gain maximum benefits from this workshop.

Participants were divided into three groups based on their school level: Primary School, Junior High School, and Senior High School and Vocational High School. Each group discussed about DRR Action Plan and the possible implementation based on their school level. After the discussion each group presented the result of their discussion and submitted their Action Plans after an improvement based on the input from the other participants.
a. Primary School Level  
PIC: Nining Parlina – Kelapa Dua Wetan Public Primary School

Primary School Level Group discussed about Flood disaster. The group has chosen flood as the topic because all member schools are located in high-risked area of flood. There are 3 main activities formulated in this discussion:
1. Build Hanging cabinet to protect important archives during flood
2. “Covered the Plug” Campaign to promote covering electricity plug especially those placed near ground to protect it against flood
3. Flood Risk Reduction Education to educate students on health-related issues during flood because children like to play on flood water during flood which exposed them to many diseases

The presentation of Primary School action plan is attached as Annex 3A.

b. Junior High School Level  
PIC: Lilis Musyarrofah – Labschool Kebayoran Junior High School

Junior Secondary School Level Group discussed about Flood Disaster. The project’s title is “Safe from Flood” which consists of several activities such as:
1. Flood knowledge to increase students understanding on flood risk
2. Flood Disaster Mitigation consist of several activities to mitigate flood risk such as cleanliness campaign, waste management, planting trees, and making bio pores.
3. Flood Preparedness Training as practical adaptation by engaging students in a more practical approach, such as flood simulation, managing food supply, prepare emergency kits, and involving disaster risk management personnel (Scouts, Student Organization, Red Cross, etc).

The future action for this initiative is to expand the topic to post-disaster recovery issues.

The presentation is attached as Annex 3B.
c. Senior High School and Senior Vocational School Level
PIC: Madzkur – Jakarta 27 Public Vocational High School

Senior High School and Senior Vocational School discussed about Earthquake Disaster focusing in how to raise students’ and other school's members’ awareness on the impact of earthquake and how to mitigate it. The activities mostly focus on teaching students and school's members to be familiar with evacuation procedure, assembly point, and assisting students with special needs. The future action for this initiative is to expand the activity to Fire Risk Reduction.

The presentation is attached as Annex 3C.

D. Closing Ceremony

Ms. Hasnah Gasim, National Coordinator of ASPnet, Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology delivered her closing speech by addressing the achievement of today's session. She expressed the importance of education to build values in children to face future challenges, such as climate change. It is important to build a mentality to “do your best” in children so they will be conditioned to perform their task with their best effort and aimed for better result. Trustworthy is also a valuable trait to be supported in children character development.

Values and Lifestyle is a very vital aspect in facing climate change and its impact, including disasters. By promoting sustainable lifestyle, the impact of climate change can be mitigated earlier and reduce the risk of disasters, especially in vulnerable communities and disaster-prone areas. It is important for teachers, school's members, parents, and communities to understand the importance of climate change understanding, mitigation, and adaptation to better equipped students with necessary knowledge to climate change and also to disaster-related topic, so they will be better prepared and equipped to safe themselves and others during disaster.

Ms. Hasnah Gasim expressed her appreciation to all participants and organizing committee for a fruitful session and hope this Workshop will bring us a step further to reach our goal. She encouraged the participants to share the result of this Workshop, as well as their knowledge and concern on CCE and DRR to other schools and to wider Communities.

By saying Grateful to God the Almighty she officially closed the DRR Education Workshop

INDONESIAN NATIONAL COMMISSION FOR UNESCO
ANNEXES

1. List of Participants
   Link to the List of Participant:
   https://drive.google.com/file/d/1iT7c6Q7jQ0x90OaNXA7VtlvaEQ1kHJjw/view?
   usp=sharing

2. Panel Presentations
   a. Disaster Risk Reduction Education through Implementing Education for Sustainable Development by: Prof. DR. Arief Rachman, M.Pd., Executive Chairman of Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology
   Link: https://drive.google.com/file/d/16imPQc9RmqS8TxDpkpWNWrF0d3xQy/view?
   usp=sharing

   Link: https://drive.google.com/file/d/1e42rX3e53QvQzxcVEzuhYul_9dZSJ_eZ/view?
   usp=sharing

   c. Disaster Safety Education Unit: Policy and Implementation in Indonesia by: Faishal Khalid – Programme Officer, National Secretariat of Disaster Safety Education Unit
   Link: https://drive.google.com/file/d/1q5V_cwyydhJM8-uatvmS0trkr1NvMyn/view?
   usp=sharing

   d. Comprehensive Safe Schools Approach and UNESCO’s Safe Schools Programme by: Ardito M. Kodijat – Programme Officer, UNESCO Office Jakarta
   Link: https://drive.google.com/file/d/1c_z8Ejb36gmsgM7-pOTrJp9_k33VopH0/view?
   usp=sharing

   e. Book Review: A Teacher’s Guide to Disaster Risk Reduction by: Leni Lesnawati – Ciasem 1 Public Junior High School, Subang
   Link: https://drive.google.com/file/d/1TVqYXTCChq4bvXEhbAypF4VwJWoVXy_/view?
   usp=sharing
3. Group Presentations

a. Primary School Level
Link: 
https://drive.google.com/file/d/1QjPuSSQJOfST-rwUpnQkSpp-EOlhDaYp/view?usp=sharing

b. Junior High School Level
Link: 
https://drive.google.com/file/d/1VBkVvr3715AZVtdkbfs7QDx6wRLoDg9u/view?usp=sharing

c. Senior High School and Vocational High School Level
Link: 
https://drive.google.com/file/d/1VBkVvr3715AZVtdkbfs7QDx6wRLoDg9u/view?usp=sharing

4. Resources

a. Disaster-Ready Pocketbook for Scouts
Link: 
https://drive.google.com/drivefolders/1hHh5TX56d9Mm9dRCwAl6TwMIPlUffae4?usp=sharing

b. Zoom Recording
Link: 
- https://drive.google.com/drivefolders/1tz4d_dS0STF7_56_x0KV85818fWdqCuA?usp=sharing
- https://drive.google.com/file/d/1p0ZqJwjMoll_i-iZ4jYqzJs0LjsjGi3/view?usp=sharing
- https://drive.google.com/file/d/1Odj4R79ZOev2mGW3b2tHUJ4Y03Pl36B/view?usp=sharing
c. Documentations

- Photo
  https://drive.google.com/drive/folders/1rOqtj-IPckn7FzZjUpGc10BbPLEKM8Xp?usp=sharing

- Video
  https://drive.google.com/file/d/1p0ZqlwjMoll__i-iZ4jYqzJs0LjsjGi3/view?usp=sharing
  https://drive.google.com/file/d/1-Odj4R79ZOev2mGW3b2tHUJ4Y03Pl36B/view?usp=sharing

4. Photos
Prof. DR. Arief Rachman, M.Pd., the Executive Chairman of Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology

DR. Ir. Udrekh – Director of Disaster Management System, National Agency for Disaster Management
Faishal Khalid – Programme Officer, National Secretariat of Disaster Safety Education Unit

Ardito M. Kodijat – Programme Officer, UNESCO Office Jakarta
Ms. Hasnah Gasim, National Coordinator of ASPnet, Indonesian National Commission for UNESCO, Ministry of Education, Culture, Research and Technology

Leni Lesnawati – Ciasem 1 Public Junior High School, Subang
Nining Parlina – Kelapa Dua Wetan Public Primary School

Lilis Musyarrofah – Labschool Kebayoran Junior High School
Madzkur – Jakarta 27 Public Vocational High School
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Indonesian National Commission for UNESCO
Ministry of Education, Culture, Research and Technology
Jakarta

Disaster Risk Reduction through Implementing Education for Sustainable Development

Prof. Dr. Arief Rachman, MPd
Executive Chairman
Indonesian National Commission for UNESCO
Ministry of Education, Culture, Research and Technology