HỘI THẢO CHÍNH SÁCH GIÁO DỤC ASEAN:
KỸ NĂNG HỌC TẬP CHUYỀN SẤU CHO HỌC SINH THẾ KỶ 21

ASEAN DEEP LEARNING POLICY SERIES:
EMPOWER STUDENTS WITH 21ST CENTURY DEEP LEARNING SKILLS

HÀ NỘI, NGÀY 22 THÁNG 8 NĂM 2014
School Activities to develop 21st century skills

Experiences from Indonesia

by Barlin Hady Kesuma
• Core 21st century skills:
  - The ability to use knowledge of subjects to meet real-world challenges.
  - Critical thinking and problem solving, communications and collaboration, creativity, self-sufficiency etc.
  - Schools:
    - Improve School Policy & Plans to embrace the new skills
    - Develop new direction of curriculum
    - Employ new, relevant teaching strategies
    - Form school partnerships: regional, national and International
Success stories of how Schools Online activities managed to help schools develop 21st century skills for their students
- how 10 schools in East Borneo found partnership abroad: Schools Online
  - how the partnership affects the teaching
  - how the partnership affects the teachers & students
- some successful projects
SEA-HARVEST PROJECT
Game We Play  (Indonesia-Russia-Pakistan)
MARINE SCIENCE PROJECT

Proyek Internasional yang Berkaitan dengan Observasi Biota Laut

Ditulis oleh:
Moh. Rachmat, M.Pd.

TARAKAN - SMP 1 Tarakan sukses melaksanakan kerjasama internasional dengan 11 Manajemen di Bowey Community College, salah satu sekolah di Inggris yang bertekuk dengan "The International Marine Science Project". Proyek ini bertujuan untuk (1) mempromosikan dan mengukur ilmu bidang biota laut yang berbagi di Pantai Aria, Pantai Dara di Tarakan, dan Pulau Klab (2) mengenal dan memahami biota laut yang terdapat di area tersebut (3) menanamkan sikap mengenai biografi alam semesta pendidikan (4) melakukan data dan (5) menilai hasil observasi ini sebagai bahan sumber pelajaran Bina Bahasa untuk mata pelajaran Biologi.

Trasasiannya, kerjasama ini berawal dari British Council yang menerima SMP 1 Tarakan dalam programnya yang bernama 50 (School Online). Ada sebagian sekolah di Kamboja Timur yang bergabung dalam program ini, dan dapatkan manfaat sekolah yang berada di Britania yaitu SMP 1 Tarakan dan SMP 1 Garden. Kerjasama ini juga mendapat dukungan yang tinggi baik dari Wranto dan sekolah SMP 1 Tarakan. Siswa dari SMP 1 Tarakan yang bernama 50 School Online merupakan salah satu sekolah dalam program ini.

PEDULI: Siswa-siswi dari SMPN 1 Tarakan yang juga menerima manfaat dari kerjasama ini adalah siswa dari SMPN 1 Tarakan. Siswa-siswi ini telah melakukan kerjasama dengan 11 sekolah di Britania, salah satu sekolah di Inggris yang bernama 50 School Online. Kerjasama ini mempromosikan ilmu biologi yang berbagi di Pantai Aria, Pantai Dara di Tarakan, dan Pulau Klab (2) mengenal dan memahami biota laut yang terdapat di area tersebut (3) menanamkan sikap mengenai biografi alam semesta pendidikan (4) melakukan data dan (5) menilai hasil observasi ini sebagai bahan sumber pelajaran Bina Bahasa untuk mata pelajaran Biologi.

BERASAMA: Siswa-siswi dari Bowey Community College United Kingdom, salah satu sekolah di Inggris yang bernama 50 School Online. Kerjasama ini mempromosikan ilmu biologi yang berbagi di Pantai Aria, Pantai Dara di Tarakan, dan Pulau Klab (2) mengenal dan memahami biota laut yang terdapat di area tersebut (3) menanamkan sikap mengenai biografi alam semesta pendidikan (4) melakukan data dan (5) menilai hasil observasi ini sebagai bahan sumber pelajaran Bina Bahasa untuk mata pelajaran Biologi.

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Benefits of collaboration

- Belonging to a supportive community
- Developing new understandings
- Learning for all (students, teachers, others)
Cross Cultural Learning

Projects allow students to:
• Explore cultural similarities and diversities between the two countries
• Develop and deepen understanding of different cultures, traditions and practices in different backgrounds
• Grow in confidence in communicating across culture
Impact on Students – 21st century skills

Multiple skills development
• Creative and critical thinking skills
• Communication skills
• Collaborative learning skills
• Self-directed inquiry & life-long learning skills

Enhances the learning experiences of students
A Collaboration between Indonesian – Pakistani Schools

River Project
The project is called “River”. It has investigated and prepared resources on local rivers.

The Schools
Students aged 7–11 from two countries – Indonesia and Pakistan – are involved. They are SMP Kendawang in East Borneo, Indonesia and Army Public School Hadim Cawal, Pakistan.

The Students
Students aged 7–11 from two countries – Indonesia and Pakistan – are involved. They are SMP Kendawang in East Borneo, Indonesia and Army Public School Hadim Cawal, Pakistan.

Project outcomes
The main product resources of local rivers, including, photos and videos of young people and wildlife that appear in the river. Students suffer from and for their school partners. Both students also produce presentations prepared about what they learnt from their interactions.

Activities
Activities included investigating the history of the river, e.g., its location, natural features, how it used to look in the past, finding plants and wildlife, and investigating for water quality, e.g., water for fish.

Approach
Project-Based Learning approaches included exploratory inquiry and collaborative learning. Students worked in teams, exploring the river and preparing resources for water quality, e.g., water for fish.

Challenges
Challenges that may arise are many ICT-enabled issues and the use of English such as preparing or finding the resources and ensuring that the skills are understood. However, the students and teachers have learned a lot about the river, other people's cultures, and ICT skills.
**KEEP OUR RIVERS CLEAN**

### Jhelum River

1. Which is the longest and most famous river in your country? 
   - **Answer:**
   - There are plenty of long and famous rivers in Indonesia. They are, for example, the **Musi River** (Musi River), the **Soro River** (Soro River), and the **Bajawa River** (Bajawa River). The Musi River is located in South Sumatra Province. It is about 760 km long. This river is longer than the Soro River and it is used to irrigate the city of Palembang. A bridge is built across the river and it becomes an icon of Palembang city.

2. The **Bengawan Solo River** (Bengawan Solo River) is the longest river in Indonesia. It is approximately 549 km in length. It is the main river in the region of Central Java and East Java. The Solo River is divided into two periods: the tidal period (from 350 AD to 1410 AD) and the non-tidal period (from 1410 AD to the present day). The river has many tributaries and is important for agriculture, transportation, and tourism.

3. Kapuas River
   - At 1,113 km long, the Kapuas River is one of the longest rivers in Indonesia. It is located between West Borneo and Central Borneo provinces. The river is important for the livelihood of indigenous people who are largely living in the upper Kapuas region, which is a tropical lowland area surrounded by forests.

### Mahakam River

The Mahakam River is the longest river in East Borneo with a catchment area of approximately 77,600 km². The river has an approximate length of about 50 km. The river originates in Ranau in the Central Kalimantan region, where it flows northwards and enters the Mahakam Delta. From there, the river flows westward through Mahakam Delta.

Here are activities when visited Jhelum River:

1. **Make a questionnaire for your partner school.**
2. **Ask some questions about rivers in your partners’ schools.**

<table>
<thead>
<tr>
<th>Name of Students</th>
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<tbody>
<tr>
<td>Shafir Bin Khalil</td>
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<td>Name 2</td>
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<td>Name 4</td>
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<td>Name 5</td>
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<tr>
<td>Ibrahim Wall</td>
<td>Name 6</td>
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<tr>
<td>Mohammad Saim</td>
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<table>
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<tr>
<th>School Name</th>
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<th>Teacher’s name</th>
</tr>
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<tr>
<td>Army Public School Jhelum Cant</td>
<td>Class 3</td>
<td>Haidar Samdja</td>
</tr>
</tbody>
</table>

**Teacher’s name:**

**Question 1:** Which is the longest and most famous river in your country?

**Answer 1:**

**Question 2:** What is the name and history of river in your town?

**Answer 2:**

**Question 3:** Which river in your country has the most dams?

**Answer 3:**

**Question 4:** Tell about the ecosystem (plant and wildlife) in your town river?

**Answer 4:**

**Question 5:** Which river has the most recreation balance?

**Answer 5:**

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**Answer 5:**
Project outputs

- Documentation
- The project gives students access to another culture and language and direct experience of working with those in other countries.
Thank you