

## Mayor Supports Replication and Dissemination

## North Sumatera



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**THE MAYOR** of Tanjungbalai, Dr. Sutrisno Hadi, SP.OG is very positive about DBE3 activities in his district. At a workshop held on April 26 at the Mayor's Meeting Hall in Tanjungbalai, he asked the Head of the District Education Office to conduct replication and dissemination activities to non partner schools. "We must disseminate the program," said the Mayor.

The chairman of the local parliament (DPRD) in Tanjungbalai, Sutrisno Hadi, SE agreed with the Mayor's comments. On observing the impact of the DBE3 program in DBE3 partner schools, *pak* Sutrisno expressed his appreciation. According to him, the practices in the DBE3 partner schools in Tanjungbalai are almost the same as in the expensive schools in Medan. "We will support the government in improving the quality of education," said *pak* Sutrisno.

DBE3 COP Stuart Weston, who also attended the workshop, praised the progress made by DBE3 partner schools in Tanjungbalai. He said that the DBE3 partner schools in Tanjungbalai are at least the equals of the partner schools in Java.

The chairman of the Education Council of Kota Tanjungbalai, Drs. H. Arifin, urged the district government to implement replication immediately. He said that the replication and dissemination are needed to fill the gap between DBE3 partner schools and non partner schools. "Hopefully there will be no jealousy among those schools," said *pak* Arifin.



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### Photo captions:

1. The Mayor, Eka Hadi, SE, and the Chairman of the DPRD, observing a lesson at SMPN 1 Tanjungbalai
2. The Chairman of the DPRD observing an experiment conducted by the students of SMPN 4 Tanjungbalai. The experiment is about filtration. Students used coconut fiber and tree roots in this experiment.
3. The stand of MTs YMPI at the exhibition. The students' work and learning media are arranged neatly.
4. *Pak* Jinjing Sinurat, a teacher of SMPN 1 Tanjungbalai, sharing his experience of participating in DBE3 training program.
5. Two students of MTs YMPI showing a rocket they have made. The rocket won the science contest for MTs in North Sumatera.



**STUDENTS' WORK:** Cahaya Putra gives an explanation about work produced by the students of SMPN 1 Sumbul, Dairi, to other students who attended the exhibition at a DBE3 District Showcase in Dairi.

## District Budget Allocated for Replication



The District Secretary, Sanggam Hutagalung, MM, with the Dean of the Education Faculty of Nommensen University, Dr. Tagor Pangaribuan, visiting one of the stands during the DBE3 workshop in Tarutung.

**THE DISTRICT** Secretary of North Tapanuli, Drs. Sanggam Hutagalung, MM, at the opening of DBE3 workshop, asked the District Education Office to develop a DBE3 follow-up program. According to *pak* Hutagalung,

teachers who have been trained by DBE3 are of great benefit to North Tapanuli. Furthermore, he asked the Education Office to develop a five year work plan to make the best use of the teachers trained by DBE3.

The workshop was held on May 4 in a meeting hall in Tarutung. The ten partner schools in North Tapanuli were involved in the workshop, where they set up exhibitions show the changes in their schools. During a visit to a partner school, SMPN 1 Tarutung, *pak* Hutagalung spent his time asking the students about the work they had produced. He concluded that the students' work was indeed produced by themselves.

During the presentation sessions, a student of SMPN 1 Siborong-borong interviewed the Dean of the Education Faculty of Nommensen University, Dr. Tagor Pangaribuan. The interview was conducted in English. The student interviewed showed his competency in English. This interview was set up to demonstrate both the impact of changes in learning practices and encourage the student's self-confidence.

The workshop ended by expressing its hope that the district government would disseminate and replicate DBE3 programs to improve the quality of education. The Education Office has made an allocation in the district budget for replication and dissemination.

## DBE3 Showcase Meetings Win Support

**THE DBE3** Good Practice Showcases which have taken place in partner districts in North Sumatera gained great support for the program. The government and parliament (DPRD) who took part in the workshops gave their support the DBE3.

The chairman of local parliament (DPRD) in Dairi, Delphi Masdiana Ujung, SH, M.Si, extended his gratitude and appreciation to DBE3 after listening to a presentation by *pak* Gultom from SMPN 1 Sumbul Dairi about learning innovation. *Pak* Gultom was one of the resource persons who made presentations at this workshop at the Cultural Hall in Sidikalang, on June 12, 2010.

At this workshop, the government and local parliament (DPRD) agreed to make a commitment to disseminate the good practices developed by DBE3. "Should the government seek to allocate a budget to disseminate the good practices, we will approve it," said *pak* Delphi.

### Meeting with Local Parliament

The showcase workshop in Binjai was held on May 3, 2010. The workshop was opened by the Mayor of Binjai, Ali Umri, SH. Following the workshop, as a sign of support for the DBE3 program from Commission C of the local parliament, the Binjai parliament invited DBE3 for a meeting on May 10, 2010.

The meeting also involved the Office of Education, the Office of Religious Affairs and partner schools in Binjai. During the meeting the Commission C stated their appreciation of what DBE3 has achieved in Binjai. They also expressed their hope that the good practices can be disseminated to other schools in Binjai. To follow this up, the parliament will meet with the Education Office, the Religious Affairs Office, and DBE3 to discuss more detailed steps.

### Changes in Learning Activities

In South Tapanuli, the workshop was held at MAN 2 Padangsidempuan on May 6, 2010. The workshop par-

ticipants were invited to observe lessons in DBE3 partner schools.

During the visits, the participants were able observe learning activities in the classrooms. From their observations the participants learned that the students were not just seated in groups but were active in expressing their ideas. Teachers were not acting as the only source of learning. Rather, they acted as facilitators.



The Mayor of Binjai looking to the exhibition from the DBE3 partner schools

## White House Envoy Impressed by Learning Activities at SMPN 8 Bogor

### West Java-Banten



A students teaching her friends how to measure the sum of the angles of a triangle using paper triangles

“**LOOK!** It’s amazing. Some students explained things to their classmates. This peer teaching process is really interesting,” said Mrs. Alberts when observing the students of SMPN 8

Bogor learning Mathematics. She was impressed by how the students helped their classmates to understand the lesson.

Dr. Bruce Alberts, a special envoy for Science of the United States President, accompanied by his wife, visited SMPN 8 Bogor on May 17, 2010. Together with the rest of their party they observed students learning at this DBE3 partner school. In particular they observed Science and Mathematics lessons and looked at the computer laboratory and the displays of students’ work.

“They are measuring the frequency of the swing,” said Dr. Alberts when observing students in the science laboratory. At that time the students were using a pendulum. In each group one student stood on a chair, holding and swinging the pendulum. The other students observed the movement of the pendulum and noted down the data.

In the Biology class, the Alberts had the opportunity to

ask questions to the students who were doing a photo-synthesis experiment. The students explained the experiment with great confidence. “We are monitoring the gas which is formed as a result of photosynthesis. We are also observing the three factors which influence the photosynthesis process,” said one student. The students worked in groups and, besides observing the experiment, they discussed with the other members of the group the answers the questions on their work sheet.

Besides admiring the students’ work displayed in each class Dr. and Mrs. Alberts were impressed with the ‘Information Wall’, which included information on genetics. Dr. Alberts is a renowned researcher in this area and congratulated the school on the way it was using the school wall as a learning resource. The walls in this school have displays of Mathematics and Science formulae and scientific terms. On one of them, there is an explanation of the cloning process, which Dr. Alberts, as an expert in genetics, found especially interesting.



Dr. dan Mrs. Alberts observing the students learning at SMPN 8 Bogor.

## DBE3 Showcase in Garut Inspiration for Learning

On National Awakening Day, May 20, 2010, Garut conducted a showcase and workshop on good practices as a follow up of recent training. In this event the participants were able to visit schools and see an exhibition of work produced by teachers and students.

The workshop involved students, teachers, principals, and district facilitators as speakers. Visits took place to SMP 5 and MT Al-Rahmah. At the exhibition there were ten booths presenting the work of students and teachers and presenting models of the learning environment in the ten DBE3 partner schools in Garut. The showcase was held in order to encourage teachers to apply the results of their training.

Each school’s stand exhibited a variety of their best work. This is evidence that DBE3 partner schools have worked hard to implement active learning. Visitors to the exhibition listened enthusiastically to the presentations at each stand. A number of students were busy reading the DBE newsletters: *Mitra Didaktika* and *Inovasi Pendidikan*.



Istikomah Salamah, A Teacher at MTs Al-Ahliyyah, Karawang

## Transforming A Store Room for Active Learning

**Students' work** used to be stored in a drawer in the teachers room. The work were not organized or made use of. Since the school had a store room, I took the initiative to transform it into a room to keep learning media. I renovated the room with my own money. I did all of this to motivate my students to be more creative. My only reason for doing this was to encourage my students to learn and feel proud of the work they have done.

I turned the room into an English classroom. My students love learning in that room. They are proud of their work that is displayed in the room.

This little project of mine has motivated teachers of other subjects. They also keep developing more effective learning strategies and encourage their students to create a variety of work. In our school, we integrate ICT into general subjects. We encourage students to use computers as tools to produce their work.

The experiment with learning media continues to motivate the students. Not long ago, we got a computer laboratory with help from USAID. Now we have a world-class computer lab. And, of course, we are determined to make use of it to support quality learning.



Ibu Salamah's transformation of the store room filled with students displays. Use of ICT also helps make her students active.

Husnul Khotimah, A Teacher at SMPN 2 Balongan, Indramayu

## Encouraging Students to Make Comic Strips in English



**THE LESSON** started with the teacher reading a sample of dialog which used expressions related to asking, accepting, refusing and requesting/giving approval. The students then acted out the dialog. After they finished doing this, the teacher gave them work sheets containing some pictures. The teacher asked the students to make short dialogs based on the pictures.

The students did this task in groups. They used expressions of agreement and disagreement for the short dialogs. Despite some grammatical errors, they could write their ideas in simple comic strips (see the picture). When they had finished, the teacher assessed them for content and grammar.



Students work in groups to extract the essence from roses, jasmine, *atsiri* and *kenanga*.

## Distillation Apparatus ala SMPN 2 Karanggede

Central Java

**TAK ADA rotan, akarpun jadi** (when there is no rattan, use a root) is an old saying which suggests that we need to find alternative solutions to problems. Suyatno, S.Pd, an IPA teacher at SMP 2 Karanggede, Boyolali, and his 9<sup>th</sup> grade students applied the saying. Though they have no distillation apparatus, they still did an experiment on distillation.

Pak Suyatno started by brainstorming the process of distillation and giving some examples of it in everyday life. After that, he showed the students how to make distillation apparatus. Next, he distributed the worksheet to his students and told them to make the apparatus. Students made the simple apparatus guided by the instructions on the worksheet. When finished, they tried the distillation process to make oil from *Atsiri* flowers.

Besides using *Atsiri* flowers for the experiment, students also used roses, jasmine and *pandan* leaves. The result of this process can be used as fragrance or essence for making aroma therapy candles. One group reminded everyone that before doing the whole process it is necessary to ensure that there are no leaks and that there are no kinks in the pipe which could stop the process working.

How much did it cost to make the apparatus? Pak Suyatno said that it was very cheap. The cost per unit was only IDR 9,000. From the experiment, students were able to produce fragrance. It is hoped that soon they can produce other things which have an economic value.

### Materials needed to make distillation apparatus:

- A piece of wooden board measuring 60 x 45 x 1.5 cm
- A piece of wooden board measuring 45 x 20 x 2 cm joined with a joint and nails to the other board
- Rubber plug (it can be made from rubber sandals)
- A 600 ml plastic bottles with four holes at both ends
- The top end cut off a 600 ml plastic bottle to use as a funnel, the rest of the bottle used to collect the distillate
- 2 plastic hoses (small size, 80 cm)
- Two bottles made of glass to boil the liquid
- Solid fuel
- Methylated spirit burner, made from a syrup or ink bottle



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### Photo Captions:

(1) Students use a board to set up the distillation equipment. (2) The apparatus set up by students.

## School Principals Group in Jepara Keen to Replicate

“**FOR ME** it is a great loss if we do not replicate the DBE3 program. DBE3 has made a great contribution and we need to make sure that the program is well disseminated. Therefore, I ask the Madrasah Principals Working Groups (KKMTs) to implement replication activities to all MTs in Jepara. The teacher certification program should not just be a formality. It must have substance and improve the quality of learning and the quality of teachers. We hope that DBE3 will help us.”

That is the statement made by the Head of the Education Section of the Religious Affairs Office in Kabupaten Jepara, Drs. Ali Arifin, at a meeting with leaders of the

KKMTs in his office.

The meeting involved the leader of KKMTs 01, Drs. Alif Musyafak (also principal of MTsN Bawu Jepara); the leader of KKMTs 02 KH. Zubaidi (principal of MTs. Matholiul Huda Bugel) and the leader of KKMTs 03, Drs. H. Khamdi (principal of MTsN Keling). They discussed the DBE3 replication program and agreed that it would take place between September 2009 and January 2010.

The replication program involves all the KKMTs in Kabupaten Jepara, with 394 teachers from 88 MTs. The teachers involved are from the subjects of English, Mathematics, Bahasa Indonesia, Science, Social Studies and Civics.