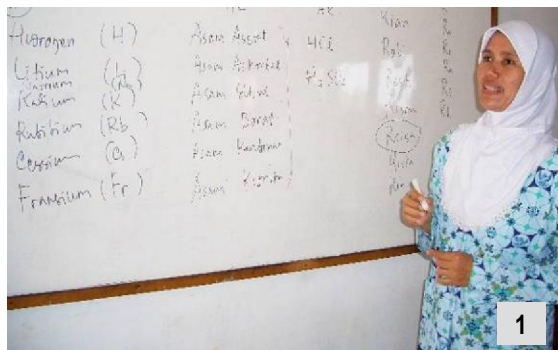


West Java-Banten

Innovative Learning in Science at MTsN Kota Bogor

MTsN Kota Bogor is taking advantage of DBE3 programs in Kota Bogor. **Abdurrahman**, the school principal, is doing his best to make changes in his school by using two DBE3 district facilitators who happen to be teachers at his school. He gives them plenty of opportunities and his full support in implementing innovations and changes. Below is an example of how Science is taught in this DBE3 partner school.



First, IPA teacher, **Nurhayati**, explained to students basic competencies which they have to achieve in the lesson. She writes them down on the whiteboard (1).



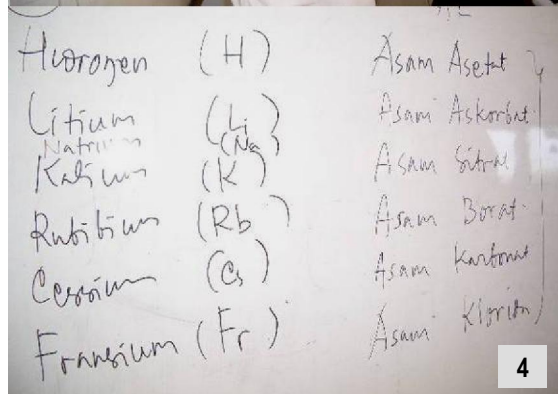
Secondly, after a short introduction, Nurhayati asked her students to work in groups. Each group had to write down the names of elements and their symbols. Each group had a discussion on it. Everyone in the group gave his/her opinion. They appreciated everything their friends said. After that, one student wrote down the results of the discussion (2).



Thirdly, the teacher asked one representative from each group to write down the elements and formulae on the whiteboard. The students themselves decided who should come forward rather than the teacher. This is important for developing the initiative, independence and self confidence of the students. (3).

Fourthly, the teacher invited the students to give feedback or comments on what their friends had written on the whiteboard. Students were eager to give feedback, comments and corrections of the elements or symbols. One student noticed that one element, Sodium had been omitted. **Nurhayati** thanked the student who had noticed this omission. (4)

Finally, Nurhayati expressed her appreciation of her students' work in identifying the chemical elements and symbols. She then gave a tip to her students, an easy way to memorize some of the elements. Jokingly, she said a funny Indonesian sentence, 'HAJI LINA KAWIN RUBI CS FRUSTRASI'. The sentence is a way to remember the elements. The sentence is an acronym from Hydrogen (H), Lithium (Li), Natrium (Sodium -Na), Kalsium (Calcium - K), RUBidium (Rb), CeSsium (Caesium - Cs), dan Fransium (Fransium - Fr). This is one creative way to memorize the chemical elements. Her students found it very useful (5)



Students enjoying the lesson in Nurhayati's class

DBE3 Having a Clear Impact in Garut!



1

During the visit to Garut on February 10, 2010 of the DBE3 Program Director Stuart Weston the results of the program were clearly visible in the schools he visited.

1. At **SMPN 5 Garut** grade 8 students were using microscopes to observe living organisms helped by their teacher, *ibu Lydia*.

2. Budi, a grade 9 student showing his work on magnets. He did an experiment and presented his findings to his classmates.



4



2

3. The good impact of the program is a sign of the leadership of the Head of the District Education Office, H. Komar M.,M.Pd. (right) and the School Principal. Bpk. H.Yana Darmana, M.Pd. (left). They are seen here standing in a room at SMPN5 which is used for displays of students' works. Some of their work has been made into books and arranged on the tables.

4. At **MTs Al Rohman** displays of students' work can be found in every classroom.



5



3

5. Assisted by their teacher, *ibu Nunung*, grade 8 students at MTs Al Rohman working on a practical task to compare the area of segments of a circle.

6. **SMPN2 Cikajang** is located in the mountains a long way from the town of Garut. But the school has made good progress, as can be seen by the student-centered learning in every class.



6

If you would like to see the impact of the DBE3 program we advise you to visit some of these schools in Garut.

BTL3 Helps Teachers in Garut Reach Their Targets

If the results of the BTL3 training are applied properly, it can solve the problem of teachers' not completing their teaching programs. Teachers won't complain any more, 'I haven't taught that material!' because they will have analyzed the curriculum and the competency standards have been clustered into themes.

That was what participants said after BTL3 training at Hotel Augusta, Garut. The training took place from December 4-7, 2009, involving 151 participants consisting of teachers from 10 DBE3 target schools and 2 school supervisors each from the District Education and Religious Affairs offices.

"The training was excellent and went very well," said Endang, the Coordinator of School Supervisors from the District Education office. The smooth implementation of the training was the result of hard work by the district facilitators who were supported by national facilitators. Prior to the training, there were two preparation meetings on December 1 and 3, at SMP Musaddadiyah and at the Hotel Augusta.

On the last day of the training, participants did teaching practice at SMPN 1 Tarogong Kidul, SMPN 1 Samarang, and SMPN 5 Garut. After the teaching practice, there was a de-briefing and evaluation of the teaching practice. The teachers appeared optimistic they would be able to teach more professionally as a result of the training.



1



2



3

The BTL3 training with group discussions (1) and teaching practice sessions at DBE3 target schools (2) & (3)

The Far-Reaching Impact of DBE3

Central Java

Witnessing change in schools

At the end of January 2010, DBE3 Program Director Stuart Weston visited three districts in Central Java to meet district stakeholders and education personnel involved in the DBE3 program. He visited a number of junior secondary schools which have been implementing the DBE3 program. The schools visited included not only DBE3 partner schools but also a number of non partner schools. Some partner schools have been with DBE3 for three years, while others have only been with DBE3 for only one year. As for the non partner schools, they have been trained as part of program replication supported by DBE3 facilitators but with most of the costs of the training covered by local government or the schools themselves. You can read about his experiences when visiting SMPN 19 Purworejo on page three. Below, you can read about the other schools visited in Purworejo, Boyolali and Grobogan.

SMPN 41 Purworejo

SMPN 41 Purworejo is located on the side of a mountain in Purworejo. The school is not a DBE3 partner school but has developed as a result of implementing DBE3 training and mentoring at its own cost. Pictures taken during the visit to SMPN 41 are shown on this page.

1. Bpk. Agus Wiwoho Surya, the school principal (left) is seen standing by a display of students' work outside one of the classrooms. With him is pak Jamal, a school supervisor. Bpk. Agus is a DBE3 district and national facilitator. As a result, he is familiar with DBE3 programs and decided to implement them in his school even though it is not a DBE3 partner school.
2. The classroom environment has changed a great deal. Students are seated in a U-shape or in small groups to encourage student interaction. The students' work is of very good quality and displayed inside and outside the classrooms.
3. During the visit to SMPN 41, one class went down to the river located about 200 meters from their school. They went there to learn about the ecosystem in and around the river.

Since pak Agus and the teachers have applied what they have learned from DBE3 training programs, student attendance has improved as has the support from the local community – before DBE3 the students and community showed a lack of interest in the school.

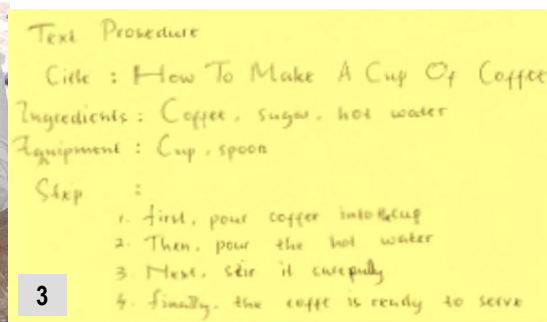


MTsN Sidomukti, Purworejo

MTsN Sidomukti is one of DBE3 partner schools in Purworejo, which has implemented enthusiastically the results of the training.

1. Ibu Budi Sumarti, a Bahasa Indonesia teacher, assisting her students in writing poetry.
2. These students are making a cup of coffee at English class.
3. After making the coffee, they write down in English how to make a cup of coffee.

Teachers at MTsN Sidomukti receive a great deal of support and encouragement from the school principal, pak Pujimin (left) and the Chairman of the School Committee, Bpk Mahmud Abulais (right).



Kabupaten Grobogan

The drive by car to reach SMPN 2 Kradenan from the capital of Grobogan district, Purwodadi takes about an hour. Visiting the school, we were accompanied by Head of the Education Office of Grobogan District Sugiyanto, SH, MM and the Head of the Religious Affairs Office, Drs H. Taslim, M.Pd. Both of them have given great support to the DBE3 program. A number of photographs of activities in the school visited can be seen on this page.

1. The Head of the Education Office, Bpk. Sugiyanto (left), who accompanied us during our visit to the school, is having a conversation with principal of **SMPN 2 Kradenan** Bpk. Agus Suprpto, S.Pd, MM.
2. With encouragement from Bpk. Suprpto, there have been big improvements in the classroom environment. Lessons are now more interesting with more varied learning activities. In each classroom there are displays of students' work. Each student has a portfolio to store their work and record their progress. The portfolios are stored in pink plastic folders which you can see on the left of the picture.
3. **MTsN Jeketro**, located in west Grobogan, has also enthusiastically implemented DBE3 programs. This includes using cooperative learning.
4. The staff of MTsN Jeketro with DBE3 Program Director, Stuart Weston and the Head of the Religious Affairs Office, Drs. H. Taslim, M.Pd.



SMPN 2 Musuk, Boyolali

SMPN 2 Musuk is located on a mountain in a remote area in Boyolali. Despite this, lessons are interesting and varied. As a result, the student drop out rate has decreased greatly since DBE3 has been assisting the school. Here are a number pictures of activities seen at SMPN 2 Musuk during our visit.

1. Dra. Sri Supanti Nurhayati, M.Pd, the principal of SMPN 2 Musuk, is a Mathematics teacher. She teaches every week and is very enthusiastic in leading the teachers in her school. In this photo she is helping students of a class being taught by one of her teachers with their tasks.
2. The students are very enthusiastic in this science class. They are using litmus paper to test whether foods contain acid or alkaline.
3. Grade 8 students showing their group's work about floods, which they done in a Bahasa Indonesia lesson. The work will be displayed for a time and then stored in a filing cabinet, which has been provided in every classroom.



Students' Comments on Active Learning

DBE3 has conducted training to improve the quality of teaching and learning in schools. The training conducted has had a positive impact on students. Below are comments from students on the active learning that they have experienced.

Today the English class was fun. We learned how to send short messages. We discussed things in groups. We very much enjoy this way of learning. It is fun and doesn't bore us."

Adisty E. Putri, a student at SMPN 1 Tanjungbalai, North Sumatera commenting on her English class.



"Now I am more self-confident because my teachers give me plenty of opportunities to speak."

Ibriza, a student at MTsN Kudus

"I am more confident now. When I first started at SMP 1 Tahunan, my teachers encouraged me to speak my mind and be creative. Thanks to them, now I'm more self-confident."

Ina Zulia Alfi, a student at SMP 1 Tahunan, Jepara

Ibriza dan Ina gave their comments at dissemination workshops conducted by DBE3 in Kudus and Jepara.



"I like teachers who care about their students and encourage them to study. And the way they teach is very good, enjoyable and makes the lessons easy to understand, like discussing in groups and giving us puzzles to solve."

Muhammad Ardiman, a student at SMPN 1 Lirilau, Soppeng, Sulsel.

