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Interactive Audio Instruction Kindergarten Program



USAID's Decentralized Basic Education Program (DBE 2) seeks to improve the quality of teaching and learning in Indonesia's primary schools through a series of innovative approaches designed to strengthen teacher training and improve the school learning environment. Led by Education Development Center, Inc. (EDC) and partners the Academy for Educational Development (AED) and the Research Triangle Institute (RTI), DBE 2 works with USAID/Indonesia, the Ministries of National Education and Religious Affairs, and other public and private sector partners to develop an alternative and modern teacher professional development system, strengthening the capacity of educators and administrators

to initiate, facilitate and promote school improvement across the archipelago. DBE 2 is implementing several strategies to improve Indonesia's primary education system, including: decentralized, university accredited teacher training; instructional leadership and management; interactive audio instruction (IAI) for kindergarten teachers and students; school cluster resource centers; partnerships with Indonesian and US universities; information and communication technologies as teaching and learning tools; and, alliances with the private sector to expand project impact.

The DBE 2 Interactive Audio Instruction Kindergarten Program

Developed in collaboration with Ministry of National Education partners the Center for Education Information Communication Technology (Pustekkom) and the Open University (Universitas Terbuka), the DBE 2 kindergarten (TK) initiative is a pilot program that consists of an audio and print-based materials package for participating schools as well as a series of teacher training activities.

The DBE 2 TK program is based on an instructional methodology known as Interactive Audio Instruction (IAI) that encourages a hands-on, active approach to teaching and learning. The DBE 2 TK program both guides and supports the daily instruction of an entire year of the Indonesian TK curriculum through a series of interactive, innovative lessons recorded onto audio CD. The program has been developed to enhance the quality of TK teaching and learning and improve school readiness by:

- providing high quality TK content that follows the national TK B curriculum
- simultaneously training teachers and teaching students
- facilitating an active-learning, PAKEM-based approach with every lesson



What is Interactive Audio Instruction?

- IAI is a distance education system that combines audio programming with active learning to improve education quality and teaching practices
- IAI programs emphasize active learning and meaningful interaction by requiring teachers and students to react verbally and physically to questions and exercises posed by audio characters and to participate in group work, experiments and other activities suggested by the audio program
- IAI has been used successfully around the world to teach nearly all basic education subjects and audiences of all ages, as well as hard-to-reach and out of school populations

Kindergarten Package

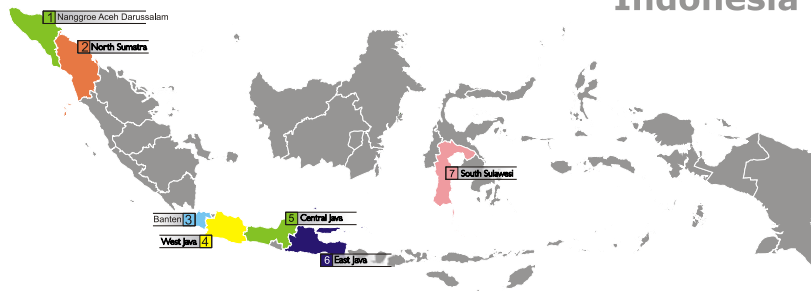
The DBE 2 TK materials package, *Paket Program Audio Interaktif* (Paket PAI), includes everything a teacher needs to use the IAI program in her classroom. Paket PAI includes:

- One CD player
- One hundred and six CDs of 35-40 minute programs
- Teacher's guide
- Four posters
- Student worksheets
- Number cards and letter cards
- Scissors and crayons
- Batteries for CD player

Areas of Program Implementation

DBE 2 is now working with over 100 TK in seven provinces throughout Indonesia: Aceh; North Sumatra; Banten; West Java; Central Java; East Java; and, South Sulawesi. DBE 2 will work with partner P4TK TK and PLB to expand the program beyond the selected pilot sites.

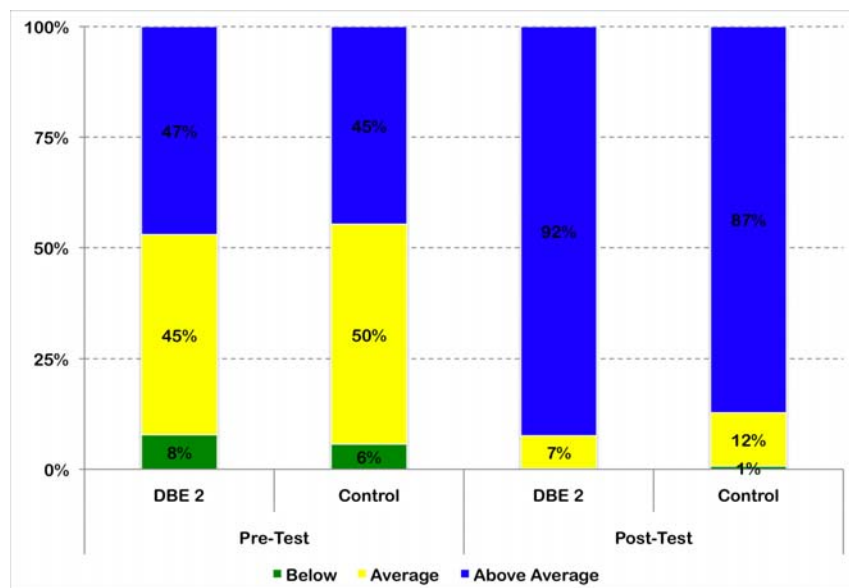
Indonesia



The Results So Far

% of Kindergarten Students Meeting Minimum School Readiness Requirements Overall Results - 2007/2008

	Pre-Test			Post-Test		
	Below	Average	Above Average	Below	Average	Above Average
DBE 2	7.8%	45.1%	47.0%	0.2%	7.4%	92.4%
Control	5.7%	49.6%	44.7%	0.7%	12.1%	87.2%



To gauge the impact of its TK pilot program, DBE 2 conducted a pre- and post-test in 71 TK (both DBE 2 and non DBE 2) across seven provinces. The pre- and post-test measured student performance in three categories: language; cognitive; and, physical and psychomotor. At the time of the pre-test a greater percentage of DBE 2 students did not meet minimum school readiness requirements when compared to the control school students tested; however, at the end of the academic year, the percentage of students in DBE 2 TK meeting or exceeding minimum requirements was greater (92%) than in the control schools (87%).

Paket PAI Content Areas

Paket PAI materials are organized into four units, arranged by thematic content area:

Unit 1: Myself

Children learn about self (physical and emotional) through lessons on the five senses, parts of the body, body movement and balance, self identity and feelings, facial expressions, etc.

Unit 2: My Family and Environment

Children learn about the people in their family and community and explore the environment in which they live through lessons on my family, my house, public places, jobs, transportation, communication, water, air, weather, etc.

Unit 3: My School

Children learn about their school, school subjects and activities through lessons on position, geometric shapes, colors, lines, sound and rhythm, etc.

Unit 4: Plants and Animals

Children learn about plants and animals through lessons about fruit, vegetables, medicinal plants, domestic animals, wild animals, etc.

By working with Paket PAI's audio and print materials, children's cognitive, language, art, social-emotional and physical-motor skills are developed. The materials also teach children critical pre-literacy and numeracy skills.



For further information:

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