

# INTERNET IN EDUCATION

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## **1. Introduction.**

IKIP Bandung has been formally joining AI3-ITB since 1996. But operationally it joined the AI3-ITB from the middle of 1997. Since then along with the development of the Internet infrastructure at IKIP Bandung, we at IKIP Bandung start to develop the usage of the Internet as learning resources, center for information exchange, international and national collaborations, research product dissemination. In this short paper we will discuss progress and obstacle of each of these usage.

## **2. Internet as learning resources.**

After we established the infrastructure of the Internet at IKIP Bandung, in very near future we will disseminate the usage of the Internet (both browser and e-mail) to all Faculty members and to all students of IKIP Bandung. After the dissemination, we expect those people to take advantage of all resources available in the Internet and use them as their learning resources. They should be able to explore the “not-owned” information provided in World Wide Web (www).

IKIP Bandung that provides undergraduate and graduate programs needs to have plenty of information sources to support the teaching-learning process. There are a lot of research-based methodological findings all over the world that might be useful for improving the teaching-learning process in Indonesia. But most of us in Indonesia are having difficulties in getting those finding through printed journals or articles. This is due to some factors, such as lack of financial support, far from the place where the journals or the articles are published, and so on. In order to overcome the difficulties we try to use Internet as our learning resources.

In addition to teaching-learning process, IKIP Bandung needs also to have a lot of information to support research activity. Research activities, as a learning process conducted by the students need to be back up by a communication system that enable the faculty members and the students to share ideas with others nationally and internationally. Library at our campus is relatively not able to provide enough sources. This is also caused by almost the same factors as mentioned above. The solution to the need is the electronic mail (e-mail). E-mail effectively and efficiently provides the ability for conducting national and international communication.

### **3. Internet as a means of international, national and regional collaborations (Information center).**

In improving teaching-learning practices, IKIP Bandung is conducting international, national, and regional collaborations. International collaboration is conducted with the Ohio State University in the USA, La Trobe University in Australia, etc. National collaboration is conducted with IKIP Malang in East Java, and other IKIP and STKIP in Indonesia. Meanwhile, regional collaboration is done with some junior high schools and senior high schools in West Java. The Subject matters that are being collaboratively done are school linkages, field experience program (PPL), classroom action research, staff development, curriculum development, etc. In addition to those universities, IKIP Bandung also conducts collaboration with other institutions, such as JICA in Japan, Ford Foundation, etc.

By providing a Web Server at IKIP Bandung, IKIP Bandung will be able to share ideas, informations, research finding, or even problems with those partners mentioned above. IKIP Bandung is now developing a Web Server to serve as our information center, so that other partners are able to access virtually all what they want to know about IKIP Bandung. We are developing several home pages of related subject needed for the collaboration. On the other hand, having access to the Internet people at IKIP Bandung are also able to download virtually all informations provided world wide.

### **4. Internet as a means of research product dissemination.**

We will use the Internet through our Web server as a means for disseminating research products produced by the Faculties and students of IKIP Bandung. Faculty members of IKIP Bandung have conducting plenty of research, and producing a lot of research-based models, instruments, and theories. In addition to faculty members, graduate students of IKIP Bandung have also been producing research findings. But until the construction of the Internet, those research finding were not widely disseminated. Having ability to up load those finding IKIP Bandung will be able to disseminate all finding that might be needed by others.

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