

ABSTRACT

The widespread arrival of computers in daily life has raised pro-contra reactions to put it in learning processes. Among the advantages, computer has some limitations. This technology needs a lot of handling before it is ready for the learning media. Since **Computer Assisted Instruction (CAI)** is expensive, it is wise to delay doing it until it is proved effective.

This research was done in May and June 1990. The experiment was done in **Britania English Institute** and **Beta Computer** Kota Baru Yogyakarta. The research was done to examine whether learning vocabulary from CAI is more effective than the traditional learning. Due to the limited time and resources, this study took an incidental sampling of two pre-Elementary classes from the Britania English Institute. One group learned English-Indonesian pair words from CAI and the other from the traditional wordlist. The material was taken from the Basic English List. Because the number of samples was not sufficient for the parametric test, the data was analyzed using SPSS/PC NPAR Mann-Whitney U Test.

It was found out that the CAI was **more effective**. The learners using the CAI learned **20 % or more words** than from the traditional word list.

Since the CAI worked for the pair-word learning, it might work for other presentation of vocabulary. Learning the words are sometimes boring. VCAL may become one of the effective vocabulary learning activities. CAI might also be effective for language material other than vocabulary. It is expected that there will be some projects on exploring further possibilities to do the latter. Also, it is good for teacher candidates to know the computer media.