Pengembangan dan Evaluasi ViMPreSS: content Management System untuk Perangkat Ajar Berbasis Sinkronisasi Video dan Presentasi

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Abstrak

PowerPoint application has become learning first choice at the presentation session. However, this type of application is not effective enough to be used of the class since the students only know the general point of the learning content. Therefore PowerPoint needs a media to help lecturer present more detail of the learning content. This media is video. Employing video, lecturer records whole session activities, and then play it simultaneously with PowerPoint n presentation and hence, anybody else could review the whole content of learning Video-Multimedia Presentation Synchronization System (ViMPreSS) is a Content Management System (CMS) that uses SMIL to synchronize and integrate PowerPoint presentation and video files. This paper describes ViM'PreSS, its architecture, design, and its performance evaluation. Performance evaluation tests show that the time required to upload presentation and video files does not correlate linearly with the size of the files. One of the factors which influences this result is competition between clients to access the server. User evaluation tests also point out that user acceptance level to the system on average is 75% evaluation.