ABSTRACT

Creating a competent human resources need the learning process which can integrate and synergize the cognitive, affective, and Psychomotoric domain. In other words, the learning process is not only focus on hardskill, but also softskill of student. That kind of learning process will be applied to the design of e-content. E-learning at this time can’t handle student’s boredom in learning, have not been able to meet Psychomotoric aspects and lack of interaction between students and the lecturers. Non-verbal (arising from the effect of the content) and emotional information need to be delivered through e-learning content to increase the motivation. Besides, the development is still needed in the design of e-learning so that the psychomotoric domain can be covered.

In this final project we did several steps of e-content development process, Quality Function Deployment method is implemented to find some significant design attributes. Kansei Mediation is used for modelling and communicating non verbal information for user, like personal knowledge, impression of thing, emotions, mood, and idea about a content. System delivery of content consist of text, audio, video, and pictures include their form, have some different effects to users. By QFD, the combinations of media can be built well for covering the cognitive, affective and Psychomotoric domain.

According to the result of the development and testing of an e-content for control system material, we get a number of competences, learning objectives, learning activities, and delivery system which are relevant with control system material. Besides, e-content based on kansei mediation can give a learning result better than e-content that ignore kansei mediation

Kata kunci: E-learning, Quality Function Deployment, Kansei Mediation
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