

Perancangan Desain Interaksi Aplikasi E-learning Pendidikan Nonformal Berdasarkan E-learning Readiness Calon Pengguna. Studi Kasus: Ilmu Parenting = Designing Interaction Design Of Nonformal Education E- Learning Application Based on E-learning Readiness of Prospective Users Case Study: Science of Parenting

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Abstrak

Revolusi digital turut mempengaruhi segala aspek pola interaksi masyarakat termasuk akses sumber ilmu pengetahuan. Teknologi informasi dan komunikasi (TIK) menawarkan revolusi lingkungan belajar yang membuat ruang belajar lebih fleksibel dan diperuntukkan bagi peserta didik yang kesulitan dalam menghadiri kelas konvensional tatap muka. Di sisi lain, kebutuhan pada ilmu parenting yang selama ini dilalui masyarakat hanya sebatas mendengarkan cerita/mitos dari orang tua terdahulu tanpa keterlibatan para pakar didalamnya, ternyata memerlukan media untuk menjadi sumber akses ilmu parenting di tengah masyarakat. Penelitian memanfaatkan e-Learning sebagai media penyampaian ilmu parenting. Untuk mencapai keberhasilan dalam penerapan e- Learning, diperlukan mengetahui tingkat e-Learning readiness calon pengguna serta metode desain interaksi yang dapat fokus secara efektif pada kebutuhan populasi pengguna. Penelitian ini menggunakan pendekatan mixed methods. Pada tahap pengumpulan data kebutuhan, digunakan studi kuantitatif dengan penyebaran kuesioner untuk menemukan demografi calon pengguna serta melihat e-Learning readiness calon pengguna dan untuk perolehan data kualitatif dilakukan wawancara pengumpulan data kebutuhan. Adapun perancangan menggunakan metode User-Centered Design dan beberapa prinsip desain visual dan desain interaksi. Pada tahapan evaluasi menggunakan Usability Testing (UT) dan kuesioner System Usability Scale (SUS). Penelitian memperoleh skor SUS yaitu 82.33 dimana berada pada posisi peringkat A. Akan tetapi terdapat beberapa rekomendasi perbaikan yang diperoleh dari UT. Untuk penilaian e- Learning readiness, menunjukkan populasi calon pengguna telah cukup siap namun terdapat beberapa variabel yang perlu ditingkatkan agar penerapan e-Learning khusus ilmu parenting mencapai keberhasilan

.....The revolution of digital has influenced all aspects of interaction patterns in society including access to knowledge sources. Information and communication technology (ICT) now offers a revolutionary learning environment that makes learning spaces more flexible and is aimed to students who have problem to attending conventional class. In the other side, the urgency of need for knowledge about parenting which has so far been passed by the society is limited just to listening to stories / myths from previous parents without the involvement of experts in it, apparently requires the media to be a source of access to parenting knowledge in the society. Research utilized e-Learning as a medium for delivering parenting knowledge. For achieving success in implementing e-Learning, it is necessary to know the level of e-Learning readiness of prospective users and interaction design methods that can focus effectively on the needs of the user population for designing e-Learning applications specifically the science of parenting. This research used a mixed methods approach. At the stage of gathering needs data, a quantitative study was used by distributing questionnaires to find the demographics of potential users and to see the e-Learning Readiness of prospective users. For qualitative one, interviews were conducted to collect data on needs. The design used

the User-Centered Design method and several principles of visual design and interaction design. In the evaluation phase also applies a mixed methods approach that used the Usability Testing (UT) and System Usability Scale (SUS) questionnaire. The study resulted in the acquisition of a SUS score with a satisfactory result that is 82.33 which is ranked A. However, there are some recommendations for improvement obtained from UT. For e-Learning Readiness assessment, the population of prospective users is quite ready, but there are a number of variables that need to be improved so the implementation of e-Learning specifically the science of parenting hopes successful.