

ABSTRAK

Perkembangan teknologi memberikan dampak yang begitu pesat dilingkungan CIVITAS Akademika khususnya di Aceh. Website sudah menjadi kebutuhan utama bagi perguruan tinggi negeri (PTN) sebagai media distribusi informasi secara cepat, aktual dan terpercaya dalam menunjang kegiatan perkuliahan di Era Digital 4.0. Tujuan penelitian ini untuk mendapatkan hasil dari uji metode PIECES pada website dalam keefektifitasannya sebagai media distribusi informasi. Maka dari itu, kehadiran penelitian analisis performa website dengan metode PIECES sangat penting dalam mengukur keefektifitasan website. PIECES menggunakan variable Performance, Information, Economic, Control, Efficiency dan Service. Pentingnya penelitian ini memberikan informasi dalam menganalisa pemanfaatan situs website di lingkungan Universitas (PTN) di Aceh, serta menganalisa kekurangan dan kelebihan pada tiap-tiap website. Langkah penelitian dimulai pada distribusi kuesioner pada variable Information, Economic, Efficiency, Service ditanggapi oleh responden secara online. Kemudian dilakukan analisis Performance website menggunakan online tools Google Page Speed Insight (GPSI) dan GTMetrix. Pada variable Control menggunakan Qualys SSL Lab dan SECURi. Hasil penelitian menunjukkan Information USK dengan nilai 4,26, Economic 4,13, Efficiency 4,4 dan Service 4,36. UINAR memperoleh 4,26 pada subjek Information, Economic 4,13, Efficiency 4,3 dan Service 4,36. UNIMAL memperoleh hasil Information 4,26, Economic 4,23, Efficiency 4,3 dan Service 4,15. UNSAM dengan subjek Information memperoleh hasil 4,1, Economic 4,13, Efficiency 4,19 dan Service 4,15 dan UTU subjek Information 4,24, subjek Economic 4, Efficiency 4,19 dan Service dengan nilai 4,21. Kesimpulan menurut kepuasan Kaplan dan Norton menunjukkan tingkatan Puas. Pengujian GPSI dan GTMetrix menunjukkan hasil yang signifikan dengan skor tertinggi 97 UNSAM pada GPSI. Hasil dari Qualys SSL Lab dan SCURi, seluruh website aman untuk diakses.

Keyword: Website Performance, Metode PIECES, Analisis Website, PTN Aceh,

ABSTRACT

Technological developments have had such a rapid impact on the CIVITAS Academic environment, especially in Aceh. The website has become a major requirement for state universities (PTN) as a fast, actual and reliable information distribution medium in supporting lecture activities in the Digital Era 4.0. The purpose of this study was to obtain results from the PIECES method test on the website in terms of its effectiveness as an information distribution medium. Therefore, the presence of website performance analysis research using the PIECES method is very important in measuring website effectiveness. PIECES uses the variables Performance, Information, Economic, Control, Efficiency and Service. The importance of this research is to provide information in analyzing the use of websites at universities (PTN) in Aceh, as well as analyzing the strengths and weaknesses of each website. The research step begins with the distribution of questionnaires on the variables Information, Economic, Efficiency, Service responded to by respondents online. Then perform a website performance analysis using Google Page Speed Insight (GPSI) and GTMetrix online tools. In variable control, use Qualys SSL Lab and SECURi. The results showed USK Information with a value of 4.26, Economic 4.13, Efficiency 4.4 and Service 4.36. UINAR obtained 4.26 in the subject Information, Economic 4.13, Efficiency 4.3 and Service 4.36. UNIMAL obtained Information 4.26, Economic 4.23, Efficiency 4.3 and Service 4.15. UNSAM with Information subject obtained 4.1, Economic 4.13, Efficiency 4.19 and Service 4.15 and UTU Information subject 4.24, Economic subject 4, Efficiency 4.19 and Service with a value of 4.21. Conclusion according to Kaplan and Norton's satisfaction shows the level of Satisfaction. The GPSI and GTMetrix tests showed significant results with the highest score of 97 UNSAM on GPSI. Results from Qualys SSL Lab and SCURi, all websites are safe to access.

Keyword: Website Performance, PIECES Method, Website Analysis, PTN Aceh,