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"COMPARATIVE STUDY OF DESKTOP WEB BROWSING PERFORMANCE".

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Abstract

This experimental research study aimed to determine and compare the webpage loading speed of every website according to the web browser used. This also aimed to find out the significant differences in webpage loading speed in its types of websites which are classified as static and dynamic website according to web browsers: the Mozilla Firefox, Google-Chromium, and Opera-Internet Browser. The researchers used one desktop computer and is fully installed with Windows 7 Ultimate as the operating system and is connected to Globe Broadband Modem to have Internet access. The independent variable are the browsers: the Mozilla Firefox, Google-Chromium and Opera-Internet Browser while the types of websites are the intervening factors that can affect the performance of the browsers and the dependent variable was the performance that is refer to the webpage loading speed. The statistical tools used were the mean and anova. The result revealed that there is significant differences in the webpage loading performance of the websites between the Google-Chromium and Opera- Internet Browser as well as in Mozilla Firefox and Opera- Internet Browser according to web browser with the obtained Sig. value of .043 for Mozilla Firefox and Opera-Internet Browser, for Google-Chromium and Opera-Internet Browser the obtained Sig. value was .031, for Google-Chromium and Mozilla Firefox the obtained Sig. value was .961. This study therefore concluded that it is best to use Opera- Internet Browser for faster browsing.