

DIGITAL PRESERVATION AND DATA INTEGRITY IN ARCHIVES

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ABSTRACT

This study examined the data integrity that is compromised by digital preservation in archives. Digital preservation is a broad term that encompasses everything that needs to be done to keep digital materials accessible, even when media fail or technology changes. The objectives of this study are to identify the factors that influence digital preservation, to explore the benefits of digital preservation in archival institutions, and to measure the extent of digital preservation among members of archival institutions. The advent of digital preservation has profoundly changed our environment. The volume, use and demand for data are increasing. As a result, people are migrating their data to digital formats. The analysis was conducted using Atlas ti. Based on the results, it was found that in terms of skills, respondents emphasised that these were related to knowledge of cloud storage, experiences, training and seminars that the archivist had attended that would improve their knowledge of digital preservation. As for the benefits of digital preservation, it can contribute to permanent digital preservation and is associated with complete data security. Both of these lead to documents being easily retrievable. In addition, the important aspect is that the types of data are linked to the measurement of data integrity. Both are important elements in the preservation process to support data integrity. Other findings are the types of data are related to measuring data integrity and both are important elements in the preservation process. The survey was conducted through semi-structured interviews and guided by a conceptual framework.

Keywords: *Data integrity, digital preservation, archives, cloud storage, data authenticity*