IEEE Xplore®

Browse ▾   My Settings ▾   Help ▾

Institutional Sign In

◆IEEE

All ▾   🔍

ADVANCED SEARCH

Improving the Accuracy of Bali Lontar Digitization Using the Jaro Winkler Distance Method

Publisher: IEEE

Cite This   📄 PDF

I Putu Agus Eka Darma Udayana ; Made Sudarma ; I Gede Tresna Agustina Putra   All Authors

8
Full
Text Views

Ⓡ   ⌹   ©   📁   🔔

Abstract

Document Sections

I. Introduction

II. Theory Basis

III. Research Method

IV. Implementation

V. Conclusion

Abstract:

Lontar is one of Bali's cultural heritages that must be preserved. In recent years, the lontar conservation team from Gianyar Regency found that many lontar collections owned by residents were damaged. This damage is caused by various factors, one of which is the lack of knowledge of residents in caring for Lontar. Not only residents' collections but some damaged collections were also found in the Bali Provincial Cultural Office. As a solution, this research develops a lontar digitization system that can convert Latin text into Balinese script using the Jaro Winkler Distance method. The result of the development of this lontar digitization system is that the system can produce output that has content that is close to the original lontar. Of the 10 sheets tested, an accuracy rate of 92.7% was obtained. In media expert testing by assessed the writing structure by Balinese script rules, which obtained an accuracy rate of 93.6%. In the accuracy test involving the spelling checker process using the Jaro Winkler distance method, the accuracy was 93.8%.

More Like This

Feedback