DEVELOPMENT OF SARAWAK MALAY LOCAL DIALECT ONLINE TRANSLATION TOOL

SYAHRUL N. JUNAINI, AZELINA LUK TZCR HWEY, JONATHAN SIDI
Faculty of Computer Science and Information Technology, Universiti Malaysia Sarawak (UNIMAS)
94300 Kota Samarahan, Sarawak, Malaysia

KHIRULNIZAM ABD RAHMAN
Faculty of Information Science and Technology, Kolej Universiti Islam Antarabangsa Selangor (KUIS)
Bandar Seri Putra, 43600 Bangi, Selangor, Malaysia

This paper reports the design and development of the Sarawak Malay Dialect (SMD) Online Translation Tool. This web based tool provides a translation process for Sarawak Malay Dialect words to Bahasa Malaysia words or vice-versa. The site is implemented using the combination of Hypertext Preprocessor (PHP), Java Script, and Hyper Text Markup Language (HTML). The database is created and managed using an integrated server package of Apache, mySQL, PHP and Perl (XAMPP). In this paper we also report a usability study of the tool. We believe this is the first attempt to building up a comprehensive documentation of the Sarawak Malay Dialect.