

ABSTRACT

Similarity checking is used to find of similarity between two business processes compared. In similarity checking has three methods are used, based on label, behavioral, and structural. In this research, similarity checking use based on label.

Label similarity has three techniques is syntatic, semantic and contextual. This research focus on syntatic similarity. Checking similarity use calculations based syntac. To calculate syntac, it can be mapped to find similar word between business process. After these calculations, to find similarity degree of business process we can do calculations label matching similarity. Modelling was done to describe the business process is Business Process Modelling and Notation (BPMN).

Result the compare two business process with syntatic label matching similarity between 'Reklame' and 'Usaha Bidang Penanaman Modal' get score similarity 98,66%, 'Reklame' and 'Surat Tanda Daftar Perusahaan' get score similarity 80% and 'Surat Tanda Daftar Perusahaan' and 'Usaha Bidang Penanaman Modal' get score similarity 72,72%.

Keywords : Business Process, Similarity checking, Label similarity, Syntatic similarity, Label matching similarity, BPMN