Abstract

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(xiii+ 75+ 5 appendix)

Data inventory is an important thing in biodiversity, data inventory can supports various studies that will be done by scientists. However, many obstacles block up the continuity of data inventory, such as lack of scientists who be able to go to the field to retrieve the data.

Citizen Science is a research collaboration that involves the public in scientific projects to solve specific problems. Citizen science is used in biodiversity informatics application flora-indonesia.id. In its development there was a differences between citizen science and scientist mindset on the inventory biodiversity data process, that needs to be modeled into task model, to produce system model that can be specified for the subsequent design process.

The concept of mental models will be applied in the research of citizen scientist and scientist mindset. Task modeling will use the ConcurTassTrees notation, then will be search the similarities of citizen scientist and scientist task model with ontology-based semantic similarity approach and patterns of similarity model of the task of scientists and citizen scientist task models will be obtained from the substring to the task models.

References (2000-2015)