

# Perancangan Ontologi Resep Masakan Utama dan Ringan Tradisional Provinsi Sulawesi Selatan Berpedoman pada Ontology Developments: Standford Methodology dan Cooking Ontology Methodology

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## ABSTRAK

Penelitian ini bertujuan untuk menghasilkan model ontologi *Culinary Recipes Ontology of South Sulawesi* (CROSS) yang mengorganisir pengetahuan tentang resep makanan utama dan ringan tradisional Provinsi Sulawesi Selatan dan menguji model ontologi *Culinary Recipes Ontology of South Sulawesi* (CROSS) guna memastikan model tersebut dapat mendukung pencarian informasi resep makanan utama dan makanan ringan tradisional Provinsi Sulawesi Selatan. Metodologi yang digunakan dalam perancangan model ontologi adalah gabungan dari *Standford Methodology* dan *Cooking Ontology Methodology*. Hasil perancangan model ontologi memiliki 6 *superclasses*, 118 *subclasses*, 1.171 *instances*, 10 *object properties*, dan 7 *data properties* dan telah tervalidasi bahwa model ontologi konsisten dan dapat mendukung pencarian informasi mengenai resep makanan utama dan makanan ringan tradisional Provinsi Sulawesi Selatan yang sesuai dengan kriteria dengan menjawab 17 *competency questions* menggunakan fitur SPARQL Query 1.0 yang terdapat pada *local host* Protégé 4.3.

Kata Kunci: Kuliner Sulawesi Selatan, *Ontology Development*, SPARQL Query 1.0, *Web Ontology Language* (OWL).

***Constructing Traditional Main Course and Snack Recipes Ontology of South Sulawesi Province Guided by Ontology Developments: Standford Methodology dan Cooking Ontology Methodology***

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**ABSTRAK**

*This study aims to create Culinary Recipes Ontology of South Sulawesi (CROSS) ontology model which organize knowledge about traditional main course and snack recipes of South Sulawesi Province and to test the Culinary Recipes Ontology of South Sulawesi (CROSS) ontology model to ensure that the model can support the information retrieval about traditional main course and snack recipes of South Sulawesi Province. Methodologies, that were used during the making of ontology model, are combination of Standford Methodology and Cooking Ontology Methodology. The result of the ontology model design is that the ontology model has 6 superclasses, 118 subclasses, 1.171 instances, 10 object properties, and 7 data properties and has been validated that the ontology model is consistent and is able to support the information retrieval about traditional main course and snack recipes of South Sulawesi Province in accordance with the criteria by answering the 17 competency questions using SPARQL Query 1.0 that is available at Protégé 4.3.*

*Keywords: Ontology Development, South Sulawesi Culinary, SPARQL Query 1.0, Web Ontology Language (OWL).*