

On-site Education of Practical Languages for Area Studies Report in 2010
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On My research theme

"Ecosystem Services" is the function of ecosystem which are useful for human beings, defined in the Millennium Ecosystem Assessment, released in 2005. The forest Ecosystem Services in the watershed area contribute to keep the sustainable foundation of livelihood and the crisis management in this area by supplying water and protecting the soil loss or the others. To maintain these functions, the decision making of local people who are living in the upper watershed area, about the land-use management is important. And the situation of land-use is reflected the livelihood environment of study area.

The land-use situation in such precipitous mountain area like *Toraja-Utara* is regulated by the Geospatial conditions in the peripheral environment. So in *Toraja-Utara*, there are so many various livelihood environments by each small area. And because of such geographical and social conditions, in this area, land-slide and soil erosion are frequently happen.

To achieve the both goals, maintaining the stable Ecosystem Services and sustainable livelihood of indigenous people in upper watershed, it is important that finding out the relationship between these both and developing the effective regional strategy.

This research aims the effective and public land-use management by detecting the relation of the various livelihood situation which adjusted to the geospatial conditions and the quantitative

evaluation of Ecosystem Services.



1. The scene of studying Indonesian. 2. Teacher of my language (Ms.Nur,staff in field station) 3.Vegetation identification