

## Status keberlanjutan wilayah berbasis peternakan di kabupaten situbondo untuk pengembangan kawasan agropolitan

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### Abstrak

The government of Situbondo Regency has not decided the location of the agropolitan development. In this regard, a study on livestock-based regional sustainability development is necessary before the implementation of the agropolitan program. This study aims to analyze the sustainability index and the status of Situbondo area through five dimensions of sustainability. The study used a Multidimensional Scaling analysis (MDS) method called Rap-BANGKAPET and the results are shown in the form of sustainability index and status. The Leverage and Monte Carlo analyses were used to determine the attributes that sensitively affect the index and the status of sustainability and its impact. Sustainability analysis indicates that the ecological dimension is less sustainable (46.50%), economic dimension is sufficiently sustainable (69.53%), social and cultural dimensions is also sufficiently sustainable (55.14%), infrastructure and technology dimensions are at low level of sustainability (45.48%), and similarly at low level of sustainability for legal and institutional dimensions (47.46%). Of the 73 attributes, 24 of these attributes require direct treatment immediately because of its sensitive effect on sustainability index and status (significant at 95% of confidence level). The study suggests a progressive-optimistic scenario to improve the sustainability of the future status (long term) with overall improvement of sensitive attributes.