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- 22- Bhatia, Y.K. and Rai. S.C. 2004, *Evaluation of socio economics development in small areas*, sponsored by planning commission government of India, New dehli.
- 23- Filho, W.L.2000; *Dealing with Misconception on the concept of Sustainability*; International Journal of Sustainability in Higher Education, vol.1, No.1,P.9-12,2000.
- 24- Joa, O.S. and Maria, M.L. 2003,A multivariate methodology to uncover regional disparities, department to de mathematical, European journal pf Operational Research, volume 145, issue 1, pp 121-135.
- 25- Kohler.S., (1996), The Demands and limitation of sustainable water use, journal of Applied Geography and development, vol.47.
- 26- Mamo, G., E. Sjaastad, P. Vedeld, 2007. Economic dependence on forest resources: a case from Dendi District, Ethiopia. *Forest Policy and Economics* 9, 916-927.
- 27- OECD. 2001. *Policies to enhance sustainable Development*, OECD council at mistrial level.
- 28- Saltiel, J., J.W. Bauder, & S. Palakovich. 1994. *Adoptation of sustainable agricultural practices: diffusion, farm structure and profitability*. *Rural Sociology* 59:333-349.
- 29- Victor, P. (1991). *Indicators of sustainable development: some lessons from capital theory*, *Ecological Economics*4, 191-213
- 30- Wals, A. and B. Jickling. 2002; *Sustainability in Higher Education: from Doublethink and newspeak to critical thinking and meaningful learning*. International Journal of Sustainability in Higher Education, vol.3, No.3, P.221-232, 2002.
- 31- World Commission on Environment and Development, 1987. *Our common Future*, Oxford University press. Oxford.
- 32- Xu, Xuegong, Lisheng Hou, Huiping Lin, Wenzheng Liu. 2006. *Zoning of sustainable agricultural development in China*, *Agricultural Systems*, Volume 87, Issue 1, January 2006, Pages 38-6.

Analyzing sustainability levels of villages and custom unit (Samaneh Orfi) in forested areas in Kohgiloieh and Boier Ahmad province (Case study: Tangtamoradi Watershed)

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Abstract

The purpose of this study was to investigate the sustainability level of villages which were located in or near forested area in watershed of Tang Tamoradi, province of Kohgiloie and Boier Ahmad, based on indicators of sustainable development approach. We used secondary data from censuses which were done on 1985-1995-2005 and also administrated questionnaire as main instrument to gather data. The validity of questionnaire was confirmed by a panel of experts and reliability determined through calculation of Cronbach's Alpha coefficient which equaled to 0.78 and showed that the instrument was suitable for our purpose. The statistical population included 198 households in 19 villages which have resided in 7 districts, named Samane Orfi. The sample size was estimated through Cochran formula, 80 households were selected for the study by using optimum allocation clustered sampling. Data analysis was accomplished McGranahan Method to determine the weightings of indicators as well as cluster analysis to determine the levels of sustainability. Findings indicate two districts (Samane Orfies) were "sustainable", three "unsustainable" and two "relatively sustainable". Results also showed that 52.6 percent of villages were "sustainable", 31.6 percent "unsustainable" and 15.8 percent "relatively sustainable". The finding of the research can contribute to policy formulate for future rural sustainable development programs in the area.

Keywords: Sustainable development, Rural sustainable development, Sustainability, Indicators of sustainability, Samaneh Orfi, Kohgiloie and Boier Ahmad province, Tangetamoradi

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