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1 The Sustainable of Environmental Carrying Capacity To Support on Food Security (Nagari Sulit Air, X Koto Diatas District, Solok, West Sumatra) R Yanti1 1Agricultural Polytechnic of Payakumbuh, West Sumatera *E-mail: rinda_yanti@yahoo.co.id Abstract. The existing problems such as the poverty and malnutrition showed that food security management in Nagari Sulit Air is not sustainable yet. The research objective is to analyze the food security status of house holds farmers and the carrying capacity of ecological environment related to food availability. The research design used to the quantitative approached with the survey method.

The result shows that nutritional status of family heads are derived thin categ ory 19.15%, 69.15% normal, and 11.70% fat. The children with ideal weight are 37.78% and 62.22% is not ideal. The behavior resilience of households with a determinant of income (Y), farmer (X 1), livestock (X 2), wages (X3), consumption (X 4), and capital (X 5) based on the analysis of multiple regeresi m

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