

**The Differences in Amount of Essential Amino Acid Intake on *Stunting* and  
*Non-Stunting* Toddlers  
(Study in Panduman Village Jelbuk Subdistrict Jember Regency)**

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***ABSTRACT***

*Stunting is a condition of toddler who have a lower height or body length than toddler their age. Stunting can be characterized by a threshold measurement or z-score based on the Height for Age index (TB/U) with a value of <-2SD and if the z-score value shows <-3SD it will be categorized as severely stunting. This study aims to examine the difference in amount of essential amino acid intake on stunting and non-stunting toddlers in Panduman Village, Jelbuk Subdistrict, Jember Regency. This study used analytical observasional type with case control design which was carried out from March to April 2022. The number of subjects were 132 toddlers consisting of 66 stunting toddlers and 66 non-stunting toddlers who were taken by simple random sampling technique. Food intake data was taken using SQ-FFQ method which was analyzed with independent t-test. The results showed that there was a difference in the amount of essential amino acid intake on stunting and non-stunting toddlers ( $p = <0,05$ ) with the average intake of essential amino acids on non-stunting toddlers being higher than stunting toddlers. Although the average intake of essential amino acids in stunting toddlers shows a smaller number compared to non-stunting toddlers, the amount of essential amino acid intake in stunting and non-stunting toddlers is included in the sufficient category or even higher. From the study result, it is assumed that the occurrence of stunting in Panduman Village is influenced by other factors.*

**Keywords:** *Stunting, Essential Amino Acids*