Development is defined as an increasing complexity of body structure and function in terms of the gross motor, fine motor, speech and language, as well as socialize and independence capability. There were disruption of developmental deviation at South Krembangan Public Health Center, Surabaya from 1.14% in 2015 became 2.45% in 2016. This research's objective is to know the relationship of play stimulation and nutritional status with the development of toddler.

Research type is observational analytic studies and cross sectional approach. Samples were toddlers aged one to five years old who had visit the public health center during March-April 2017 and their mothers who were willing to be respondent and met the inclusion criteria. Research was conducted in South Krembangan Public Health Center, Surabaya. The relationship between independent and dependent variables used Chi-Square test.

The statistical test result of 100 respondents by using SPSS 16: 1) a relationship between play stimulation and toddler development, was performed by Chi-Square and p value< 0.05(0.000). 2) a relationship between nutritional status and toddler development, was performed by Chi-Square and p value< 0.05 (0.018).

Those data shows that there is strong connection among play stimulation with development of toddlers in South Krembangan Health Center and there is weak connection among nutrition status with child development of toddlers South Krembangan Health Center.

Keywords : Development, play stimulation, nutrition status.