

# Comparing The Effect of Educational Roulette and Leaflet on The Children Knowledge: Experimental Study

*by Tri Siswati*

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## Comparing The Effect of Educational Roulette and Leaflet on The Children Knowledge: Experimental Study

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**Background:** Nutrition education was very important for school children. The media was determines factor for the effectiveness of education.

**Objective:** To compare the effectivity of educational roulette and leaflet on the children.

**Method:** This research was a quasi-experimental with pre-test post test with control group design, conducted in Yogyakarta City on January-February 2020. The intervention was education balanced nutrition using roulette, while the control using leaflet. Children knowledge and attitude on pre and post intervention measured by questionnaire. Subjects were two homogen fifth grade public elementary school children selected randomly, as many as 28 children each grup. Data were analyzed by independent sample t-test.

**Results:** Education using roulette and leaflet increased knowledge by 2.4 ( $p = 0,000$ ) and 1.0 ( $p=0.009$ ) respectively. While children attitude increased by 6.1 ( $p=0,000$ ) for roulette group and 2.5 ( $p = 0.031$ ) for leaflet group. The roulette increased knowledge and attitudes higher than leaflet by 1.4 ( $p=0.003$ ) and 3.6 ( $p=0.030$ ) respectively.

**Conclusion:** Roulette was more effective than leaflet to increase children knowledge and attitude on balanced nutrition. Keywords: balanced nutrition, roulette, leaflet, knowledge, attitude  
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