

**THE RELATIONSHIP BETWEEN NUTRITIONAL STATUS AND GROSS
MOTOR DEVELOPMENT OF CHILDREN AGED 2–5 YEARS AT
POSYANDU KENANGA, RANCAKOLE VILLAGE,
ARJASARI DISTRICT, BANDUNG REGENCY**

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ABSTRACT

Background: Nutritional status plays an important role in supporting children's growth and development, particularly gross motor skills involving large muscle coordination. Children aged 2–5 years are in a critical phase of motor development, thus requiring optimal nutritional intake. **Objective:** To analyze the relationship between nutritional status and gross motor development of children aged 2–5 years at Posyandu Kenanga, Rancakole Village, Arjasari District, Bandung Regency. **Methods:** This study employed a correlational analytic design with a cross-sectional approach. A total of 30 children were selected using simple random sampling. Nutritional status was measured using weight-for-age (W/A) indicators based on WHO standards, while gross motor development was assessed using the Developmental Pre-Screening Questionnaire (KPSP). Data were analyzed using Somers' D test. **Results:** Most children had good nutritional status (63.3%) and age-appropriate gross motor development (70%). There was a significant positive correlation between nutritional status and gross motor development ($p = 0.001$; $r = 0.673$). **Conclusion:** Better nutritional status is associated with more optimal gross motor development. Regular monitoring of nutritional status and developmental stimulation at community health posts is essential to support optimal child growth and development.

Keywords: nutritional status, gross motor development, children, KPSP