



OPEN ACCESS

## THE INFLUENCE OF PROJECT-BASED LEARNING (PJBL) MODEL TO DEVELOP LIFE SCIENCE SKILLS IN CHILDREN AGED 5-6 YEARS

Nurhidayah Ramadhani<sup>1</sup>, Intisari<sup>2</sup>, Nur Alim Amri<sup>3</sup>, Tasrif Akib<sup>4</sup>, Hajerah<sup>5</sup>.

<sup>1</sup> Universitas Muhammadiyah Makassar, Gowa, Indonesia

<sup>2</sup> Universitas Muhammadiyah Makassar, Makassar, Indonesia

<sup>3</sup> Universitas Muhammadiyah Makassar, Makassar, Indonesia.

<sup>4</sup> Universitas Muhammadiyah Makassar, Makassar, Indonesia.

<sup>5</sup> Universitas Negeri Makassar, Makassar, Indonesia.

### Keywords:

*PJBL Model, Life Science, Fried Banana Experiment, Early Childhood*

### Correspondence to

Nurhidayah Ramadhani,  
Department of Pg-Paud,  
Universitas Muhammadiyah  
Makassar, Makassar, Indonesia  
e-mail:  
nurhidayahramadhani24@gmail.com

Received 15 Mei 2024

Revised -

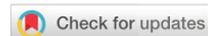
Accepted -

Published Online First

-

### Abstract

Kindergartens should help the growth and development of students both physically and mentally as a preparation for them when entering school age. The age group of 5-6 years of early childhood is a very valuable period to get to know various things in the surrounding environment. One of the important abilities to be optimized in the development of children's abilities is the development of life science abilities. So to develop children's life science abilities, it is necessary to use a learning model that can increase their understanding of life science. One of the learning models that can improve children's life science is Project Based Learning (PJBL). This type of research is a quasi-experiment type pre-experiment one group pre-test and post-test design, Sample withdrawal using purposive sampling method where the researcher determines the research sample based on the research objectives, namely where the rombongan whose science ability is still very low then it is used as a research sample, so that the research sample is group B1 which amounts to 15 students. Providing learning treatment with a project-based learning model with experimental activities "Fried Banana" has an effect on children's life science at Nurhidayah Kindergarten, Gowa Regency, because children learn through direct experience and solve their problems, by using the experimental method children know the process of "Fried Banana" activities from planting, harvesting, processing, to enjoying the banana harvest. Based on the results of the above research, the use of the Project Based Learning (PJBL) model has an influence on life science in children.



© Author(s) (or their employer(s)) 2023. Re-use permitted under CC BY-NC. No commercial re-use. See

**To cite:** Nurhidayah Ramadhani, Intisari, Nur Alim Amri, Tasrif Akib, Hajerah (2024). The Influence Of Project-Based Learning (Pjbl) Model To Develop Life Science Skills In Children Aged 5-6 Years. *Goden Age: Jurnal Ilmiah Tumbuh Kembang Anak Usia Dini*, 7(4) 2022; 1-10, doi: 10.14421/jga.tahun.volumenomor-01