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IJORER : International Journal of Recent Educational Research  
 Homepage : <https://journal.ia-education.com/index.php/ijorer>  
 Email : [ijorer@ia-education.com](mailto:ijorer@ia-education.com)

p-ISSN : 2721-852X ; e-ISSN : 2721-7965  
 IJORER, Vol. 2, No. 5, September 2021  
 Page 501-514  
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 International Journal of Recent Educational Research

## Bibliometric Analysis in Astrophysics: Overview of Education, Religion, and Local Wisdom in 2016-2021\*

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DOI : <https://doi.org/10.46245/ijorer.v2i5.140>

### Sections Info

#### Article history:

Submitted: July 31, 2021

Final Revised: September 7, 2021

Accepted: September 9, 2021

Published: September 30, 2021

#### 16 words:

First keyword

Second keyword

Third keyword

Fourth keyword

Fifth keyword



### ABSTRACT

Astrophysics education is one of the subjects in the physics education study program which is also part of astronomy. Astrology is the structure and epistemology of Islamic law that studies the sun, moon, stars, and celestial bodies related to aspects of Islamic law. Indonesian Muslims cannot be separated from local wisdom which is the wealth of the Indonesian nation. This article intends to provide a comprehensive explanation through bibliometric analysis of literature on astrophysics education, religion, and local wisdom. Article searches are performed by Publish or Perish (PoP) software on the Google Scholar database. The search and sorting results found 23 of the 200 articles found in the 2016-2021\* range. The results of data processing by PoP software are then edited through the Mendeley Desktop software. The editing results are then processed using VOSviewer software to obtain a visualization of the distribution pattern and data mapping. Broadly speaking, this research shows the projected direction of astrophysics education research if it is studied with religious content based on the Qur'an and local wisdom and its further development. The implications of this research can inspire researchers to study astrophysics education in universities with the content of the Qur'an and local wisdom so that studying science can help increase faith in God.

### INTRODUCTION

When studying science, everything seems to be scientifically explained, even though until now there are still many phenomena that occur in the universe that science cannot explain. Al-Qur'an as a way of life for Muslims is not a book of science, but some problems in science are described and even detailed in it when science has not developed as advanced as it is now. Until now there are still those who believe that religion (faith) and science (rationality) are two things that cannot be met, let alone harmonized (Bujuri et al., 2020). Faith never contradicts rationality. Individuals who use rationality do not mean they don't have faith, nor do they use faith to oppose rationality. The meeting point of the two is when scientific discoveries that are full of rationality are directed to increase faith and piety to God (Bujuri et al., 2020; Lailiyah, 2020; Sabic-El-Rayess, 2020). One of the solutions needed by Islam to not be alienated from rationality is to study the philosophy of science. By studying the philosophy of science, people can recognize the purpose of the development of science so as to bring Islam to be the main actor in creating scientific concepts that can destroy the dividing wall between rationality and faith (Zaelani, 2015).

Today's scientists have to admit how shallow science is because the universe is much wider and bigger than what science can explain (Benz, 2017). Now the development of science and technology has reached the 21<sup>st</sup> century. 21<sup>st</sup> century skills that are currently needed in the world of education include critical thinking, problem solving,

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