

COMPARING THE ACCURACY OF THE MODERN AND TRADITIONAL CALCULATION METHODS IN THE DETERMINATION OF PRAYER TIMES IN MALAYSIA

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Abstract

This article analyses and compares the traditional and modern calculation methods in determining the prayer times in Malaysia. Around 1800 A.D., prayer times were determined through the traditional method known as rubu' mujayyab. However, from the mid-19th century till today, the modern calculation method has replaced the traditional method. The traditional method is no longer used because it applied the general descriptive method which made the calculation slow as it took a longer time to use the rubu' mujayyab manual to calculate the prayer times. Though there are disadvantages in the traditional calculation method, the method should not be abandoned totally as there is research that doubts the accuracy of the results from the modern calculation method. Therefore, this research will analyse the data of prayer times that was accumulated between January to April 2011 by comparing between the modern and traditional calculation methods. The results showed that the traditional calculation method is more accurate and takes a more careful approach compared to the modern calculation method in the aspects of determining prayer times in Malaysia.

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Published
2017-11-23

How to Cite
ZAKI, Nurulhuda Ahmad. COMPARING THE ACCURACY OF THE MODERN AND TRADITIONAL CALCULATION METHODS IN THE DETERMINATION OF PRAYER TIMES IN MALAYSIA. **Online Journal of Research in Islamic Studies**, [S.l.], v. 1, n. 2, p. 31-44, nov. 2017. ISSN 2289-6821. Available at: <<https://ejournal.um.edu.my/index.php/RIS/article/view/9445>>. Date accessed: 15 nov. 2020.

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Issue

[Vol 1 No 2 \(2014\)](#)

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e-ISSN: 2289-6821

Publisher: Academy of Islamic Studies, University of Malaya

Publication type: Print/ Online

Publication frequency: 3 time(s) per year (April, August & December)



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Often close to accuracy, these guesses tend to deviate from estimates in the long run. To alleviate the concerns of any serious mismatches, certain organizational standards are adopted for controlling estimate deviations and bringing them closer to the desired accuracy levels. As a project manager, it becomes important for you to gain complete information about the project, and be analytical while guessing all project pricing/scheduling in advance. Clearly defined work schedules are instrumental in the proper allocation, implementation, and completion of all work on hand. With prior knowledge of the dates of delivery, volume of work, and other factors that are liable to guide the timelines of your project, you will soon find yourself in the right position to make reliable estimates. Comparing the accuracy of Meccan qiblas with other qiblas of the same century, we found no significant differences in azimuth errors. While some architects were more accurate than others, early Muslim architects seemed, in general, quite capab. Furthermore, King has argued that "the earliest Muslims could never have aligned mosques accurately toward the modern direction of Petra, or, for that matter, toward the modern direction of Mecca either" (p. 351). More specifically, he argues that "the first generations of

Muslims had no means whatsoever for finding the direction of Petra accurately to within a degree or two, not the least because they had no access to any geographical coordinates, let alone modern ones, and no mathematics whatsoever" (p. 354). Calculation Method Info. Organization. Angle of the sun under the horizon (Fajr). Angle of the sun under the horizon (Isha). Region. Muslim World League. 18 degrees. 17 degrees. Offering daily prayer (Salat) is one of the most vital and essential duties that have to be performed as well as fulfilled by all the Muslims worldwide. All your problems are going to be solved when you offer your prayers on the right salat time and Allah's (SWT) blessings will always be on you. The Prayer Timings schedule is updated automatically, so you can always find the most authentic and accurate prayer timings and Ramadan Calendar 2020 for the month of Ramadan 2020. You can also download the Athan App for prayer timings to view all namaz times anywhere, anytime.