



DATA RUKYAH MATAHARI DAN BULAN  
Balai Cerap Al-Khawarizmi, Tg. Bidara, Melaka  
[ 2°17'38" U, 102°5'0" T, 25 m ]  
Terbias  
Delta T 74.5 saat

| Bulan Terbenam : 20:39:00 |       |               | 01/01/2025    | Matahari Terbenam : 19:16:00 |              |                |
|---------------------------|-------|---------------|---------------|------------------------------|--------------|----------------|
| Umur Hilal : 38j 12m      |       |               |               | Ijtimak : 06:27 (2024-12-31) |              |                |
| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 01/01/2025                | 18:16 | 29° 55' 01"   | 239° 33' 25"  | 12° 46' 08"                  | 245° 50' 29" | 18° 09' 01"    |
| 01/01/2025                | 18:17 | 29° 42' 31"   | 239° 38' 29"  | 12° 32' 32"                  | 245° 52' 27" | 18° 09' 22"    |
| 01/01/2025                | 18:18 | 29° 30' 01"   | 239° 43' 30"  | 12° 18' 56"                  | 245° 54' 24" | 18° 09' 43"    |
| 01/01/2025                | 18:19 | 29° 17' 30"   | 239° 48' 28"  | 12° 05' 20"                  | 245° 56' 19" | 18° 10' 05"    |
| 01/01/2025                | 18:20 | 29° 04' 59"   | 239° 53' 23"  | 11° 51' 44"                  | 245° 58' 12" | 18° 10' 27"    |
| 01/01/2025                | 18:21 | 28° 52' 27"   | 239° 58' 15"  | 11° 38' 08"                  | 246° 00' 04" | 18° 10' 48"    |
| 01/01/2025                | 18:22 | 28° 39' 55"   | 240° 03' 05"  | 11° 24' 32"                  | 246° 01' 54" | 18° 11' 10"    |
| 01/01/2025                | 18:23 | 28° 27' 22"   | 240° 07' 53"  | 11° 10' 57"                  | 246° 03' 43" | 18° 11' 32"    |
| 01/01/2025                | 18:24 | 28° 14' 48"   | 240° 12' 37"  | 10° 57' 21"                  | 246° 05' 30" | 18° 11' 54"    |
| 01/01/2025                | 18:25 | 28° 02' 14"   | 240° 17' 19"  | 10° 43' 45"                  | 246° 07' 15" | 18° 12' 15"    |
| 01/01/2025                | 18:26 | 27° 49' 39"   | 240° 21' 58"  | 10° 30' 09"                  | 246° 08' 59" | 18° 12' 37"    |
| 01/01/2025                | 18:27 | 27° 37' 04"   | 240° 26' 35"  | 10° 16' 33"                  | 246° 10' 41" | 18° 12' 59"    |
| 01/01/2025                | 18:28 | 27° 24' 28"   | 240° 31' 09"  | 10° 02' 57"                  | 246° 12' 22" | 18° 13' 21"    |
| 01/01/2025                | 18:29 | 27° 11' 52"   | 240° 35' 41"  | 09° 49' 21"                  | 246° 14' 01" | 18° 13' 44"    |
| 01/01/2025                | 18:30 | 26° 59' 15"   | 240° 40' 10"  | 09° 35' 46"                  | 246° 15' 38" | 18° 14' 06"    |
| 01/01/2025                | 18:31 | 26° 46' 38"   | 240° 44' 37"  | 09° 22' 10"                  | 246° 17' 15" | 18° 14' 28"    |
| 01/01/2025                | 18:32 | 26° 34' 00"   | 240° 49' 01"  | 09° 08' 35"                  | 246° 18' 49" | 18° 14' 50"    |
| 01/01/2025                | 18:33 | 26° 21' 21"   | 240° 53' 23"  | 08° 55' 00"                  | 246° 20' 22" | 18° 15' 13"    |
| 01/01/2025                | 18:34 | 26° 08' 42"   | 240° 57' 42"  | 08° 41' 25"                  | 246° 21' 53" | 18° 15' 35"    |
| 01/01/2025                | 18:35 | 25° 56' 03"   | 241° 01' 59"  | 08° 27' 50"                  | 246° 23' 23" | 18° 15' 57"    |
| 01/01/2025                | 18:36 | 25° 43' 23"   | 241° 06' 13"  | 08° 14' 16"                  | 246° 24' 52" | 18° 16' 20"    |
| 01/01/2025                | 18:37 | 25° 30' 43"   | 241° 10' 25"  | 08° 00' 42"                  | 246° 26' 18" | 18° 16' 42"    |
| 01/01/2025                | 18:38 | 25° 18' 02"   | 241° 14' 35"  | 07° 47' 08"                  | 246° 27' 44" | 18° 17' 05"    |
| 01/01/2025                | 18:39 | 25° 05' 21"   | 241° 18' 42"  | 07° 33' 35"                  | 246° 29' 08" | 18° 17' 28"    |
| 01/01/2025                | 18:40 | 24° 52' 39"   | 241° 22' 47"  | 07° 20' 02"                  | 246° 30' 30" | 18° 17' 51"    |
| 01/01/2025                | 18:41 | 24° 39' 57"   | 241° 26' 50"  | 07° 06' 29"                  | 246° 31' 51" | 18° 18' 13"    |
| 01/01/2025                | 18:42 | 24° 27' 14"   | 241° 30' 50"  | 06° 52' 57"                  | 246° 33' 10" | 18° 18' 36"    |
| 01/01/2025                | 18:43 | 24° 14' 31"   | 241° 34' 48"  | 06° 39' 25"                  | 246° 34' 28" | 18° 18' 59"    |
| 01/01/2025                | 18:44 | 24° 01' 48"   | 241° 38' 44"  | 06° 25' 54"                  | 246° 35' 44" | 18° 19' 22"    |
| 01/01/2025                | 18:45 | 23° 49' 04"   | 241° 42' 37"  | 06° 12' 24"                  | 246° 36' 59" | 18° 19' 45"    |
| 01/01/2025                | 18:46 | 23° 36' 19"   | 241° 46' 29"  | 05° 58' 55"                  | 246° 38' 13" | 18° 20' 08"    |

Sumber : Perisian AIMS JUPEM



JABATAN UKUR DAN PEMETAAN MALAYSIA (JUPEM)  
Bahagian Ukur Geodetik



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| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 01/01/2025                | 18:47 | 23° 23' 35"   | 241° 50' 18"  | 05° 45' 26"                  | 246° 39' 25" | 18° 20' 31"    |
| 01/01/2025                | 18:48 | 23° 10' 49"   | 241° 54' 05"  | 05° 31' 58"                  | 246° 40' 35" | 18° 20' 55"    |
| 01/01/2025                | 18:49 | 22° 58' 04"   | 241° 57' 49"  | 05° 18' 31"                  | 246° 41' 44" | 18° 21' 18"    |
| 01/01/2025                | 18:50 | 22° 45' 18"   | 242° 01' 32"  | 05° 05' 05"                  | 246° 42' 52" | 18° 21' 41"    |
| 01/01/2025                | 18:51 | 22° 32' 32"   | 242° 05' 12"  | 04° 51' 40"                  | 246° 43' 58" | 18° 22' 05"    |
| 01/01/2025                | 18:52 | 22° 19' 45"   | 242° 08' 50"  | 04° 38' 17"                  | 246° 45' 02" | 18° 22' 28"    |
| 01/01/2025                | 18:53 | 22° 06' 58"   | 242° 12' 27"  | 04° 24' 55"                  | 246° 46' 06" | 18° 22' 52"    |
| 01/01/2025                | 18:54 | 21° 54' 10"   | 242° 16' 01"  | 04° 11' 35"                  | 246° 47' 07" | 18° 23' 15"    |
| 01/01/2025                | 18:55 | 21° 41' 22"   | 242° 19' 32"  | 03° 58' 17"                  | 246° 48' 08" | 18° 23' 39"    |
| 01/01/2025                | 18:56 | 21° 28' 34"   | 242° 23' 02"  | 03° 45' 00"                  | 246° 49' 07" | 18° 24' 02"    |
| 01/01/2025                | 18:57 | 21° 15' 46"   | 242° 26' 30"  | 03° 31' 46"                  | 246° 50' 04" | 18° 24' 26"    |
| 01/01/2025                | 18:58 | 21° 02' 57"   | 242° 29' 56"  | 03° 18' 34"                  | 246° 51' 00" | 18° 24' 50"    |
| 01/01/2025                | 18:59 | 20° 50' 08"   | 242° 33' 19"  | 03° 05' 25"                  | 246° 51' 55" | 18° 25' 14"    |
| 01/01/2025                | 19:00 | 20° 37' 18"   | 242° 36' 41"  | 02° 52' 19"                  | 246° 52' 48" | 18° 25' 38"    |
| 01/01/2025                | 19:01 | 20° 24' 28"   | 242° 40' 01"  | 02° 39' 17"                  | 246° 53' 39" | 18° 26' 02"    |
| 01/01/2025                | 19:02 | 20° 11' 38"   | 242° 43' 18"  | 02° 26' 19"                  | 246° 54' 30" | 18° 26' 26"    |
| 01/01/2025                | 19:03 | 19° 58' 47"   | 242° 46' 34"  | 02° 13' 25"                  | 246° 55' 19" | 18° 26' 50"    |
| 01/01/2025                | 19:04 | 19° 45' 57"   | 242° 49' 48"  | 02° 00' 36"                  | 246° 56' 06" | 18° 27' 14"    |
| 01/01/2025                | 19:05 | 19° 33' 06"   | 242° 52' 59"  | 01° 47' 52"                  | 246° 56' 52" | 18° 27' 38"    |
| 01/01/2025                | 19:06 | 19° 20' 14"   | 242° 56' 09"  | 01° 35' 14"                  | 246° 57' 37" | 18° 28' 03"    |
| 01/01/2025                | 19:07 | 19° 07' 22"   | 242° 59' 17"  | 01° 22' 44"                  | 246° 58' 20" | 18° 28' 27"    |
| 01/01/2025                | 19:08 | 18° 54' 30"   | 243° 02' 23"  | 01° 10' 21"                  | 246° 59' 02" | 18° 28' 51"    |
| 01/01/2025                | 19:09 | 18° 41' 38"   | 243° 05' 27"  | 00° 58' 06"                  | 246° 59' 42" | 18° 29' 16"    |
| 01/01/2025                | 19:10 | 18° 28' 45"   | 243° 08' 29"  | 00° 46' 00"                  | 247° 00' 21" | 18° 29' 40"    |
| 01/01/2025                | 19:11 | 18° 15' 53"   | 243° 11' 29"  | 00° 34' 04"                  | 247° 00' 58" | 18° 30' 05"    |
| 01/01/2025                | 19:12 | 18° 02' 59"   | 243° 14' 28"  | 00° 22' 17"                  | 247° 01' 35" | 18° 30' 30"    |
| 01/01/2025                | 19:13 | 17° 50' 06"   | 243° 17' 24"  | 00° 10' 39"                  | 247° 02' 09" | 18° 30' 54"    |
| 01/01/2025                | 19:14 | 17° 37' 12"   | 243° 20' 19"  | -00° 00' 51"                 | 247° 02' 43" | 18° 31' 19"    |
| 01/01/2025                | 19:15 | 17° 24' 19"   | 243° 23' 12"  | -00° 12' 17"                 | 247° 03' 14" | 18° 31' 44"    |
| 01/01/2025                | 19:16 | 17° 11' 25"   | 243° 26' 03"  | -00° 23' 45"                 | 247° 03' 45" | 18° 32' 09"    |
| 01/01/2025                | 19:17 | 16° 58' 30"   | 243° 28' 52"  | -00° 35' 23"                 | 247° 04' 14" | 18° 32' 34"    |

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|---------------------------|-------|---------------|---------------|------------------------------|--------------|----------------|
| Umur Hilal : 38j 12m      |       |               |               | Ijtimak : 06:27 (2024-12-31) |              |                |
| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 01/01/2025                | 19:18 | 16° 45' 36"   | 243° 31' 39"  | -00° 47' 24"                 | 247° 04' 42" | 18° 32' 59"    |
| 01/01/2025                | 19:19 | 16° 32' 41"   | 243° 34' 25"  | -01° 00' 04"                 | 247° 05' 08" | 18° 33' 24"    |
| 01/01/2025                | 19:20 | 16° 19' 46"   | 243° 37' 08"  | -01° 13' 40"                 | 247° 05' 33" | 18° 33' 49"    |
| 01/01/2025                | 19:21 | 16° 06' 51"   | 243° 39' 50"  | -01° 28' 26"                 | 247° 05' 56" | 18° 34' 14"    |
| 01/01/2025                | 19:22 | 15° 53' 55"   | 243° 42' 31"  | -01° 44' 32"                 | 247° 06' 18" | 18° 34' 40"    |
| 01/01/2025                | 19:23 | 15° 41' 00"   | 243° 45' 09"  | -02° 01' 50"                 | 247° 06' 39" | 18° 35' 05"    |
| 01/01/2025                | 19:24 | 15° 28' 04"   | 243° 47' 46"  | -02° 20' 06"                 | 247° 06' 58" | 18° 35' 30"    |
| 01/01/2025                | 19:25 | 15° 15' 08"   | 243° 50' 21"  | -02° 38' 53"                 | 247° 07' 16" | 18° 35' 56"    |
| 01/01/2025                | 19:26 | 15° 02' 12"   | 243° 52' 54"  | -02° 57' 45"                 | 247° 07' 33" | 18° 36' 21"    |
| 01/01/2025                | 19:27 | 14° 49' 15"   | 243° 55' 25"  | -03° 16' 23"                 | 247° 07' 48" | 18° 36' 47"    |
| 01/01/2025                | 19:28 | 14° 36' 19"   | 243° 57' 55"  | -03° 34' 31"                 | 247° 08' 01" | 18° 37' 13"    |
| 01/01/2025                | 19:29 | 14° 23' 22"   | 244° 00' 23"  | -03° 52' 05"                 | 247° 08' 14" | 18° 37' 38"    |
| 01/01/2025                | 19:30 | 14° 10' 25"   | 244° 02' 50"  | -04° 09' 03"                 | 247° 08' 25" | 18° 38' 04"    |
| 01/01/2025                | 19:31 | 13° 57' 28"   | 244° 05' 15"  | -04° 25' 28"                 | 247° 08' 34" | 18° 38' 30"    |
| 01/01/2025                | 19:32 | 13° 44' 31"   | 244° 07' 38"  | -04° 41' 27"                 | 247° 08' 42" | 18° 38' 56"    |
| 01/01/2025                | 19:33 | 13° 31' 34"   | 244° 09' 59"  | -04° 57' 14"                 | 247° 08' 49" | 18° 39' 22"    |
| 01/01/2025                | 19:34 | 13° 18' 37"   | 244° 12' 19"  | -05° 10' 38"                 | 247° 08' 54" | 18° 39' 48"    |
| 01/01/2025                | 19:35 | 13° 05' 39"   | 244° 14' 37"  | -05° 26' 37"                 | 247° 08' 58" | 18° 40' 14"    |
| 01/01/2025                | 19:36 | 12° 52' 42"   | 244° 16' 53"  | -05° 41' 21"                 | 247° 09' 00" | 18° 40' 40"    |
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| 01/01/2025                | 19:40 | 12° 00' 51"   | 244° 25' 43"  | -06° 38' 34"                 | 247° 08' 55" | 18° 42' 25"    |
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