



**JABATAN UKUR DAN PEMETAAN MALAYSIA (JUPEM)**  
Bahagian Ukur Geodetik



**DATA RUKYAH MATAHARI DAN BULAN**  
**PICC, Putrajaya**  
**[ 2°53'40" U, 101°40'36" T, 80 m ]**  
**Terbias**  
**Delta T 75.4 saat**

| Bulan Terbenam : 21:01:00 |       |               | 13/10/2026    | Matahari Terbenam : 19:03:00 |              |                |
|---------------------------|-------|---------------|---------------|------------------------------|--------------|----------------|
| Umur Hilal : 69j 11m      |       |               |               | Ijtimak : 23:50 (2026-10-10) |              |                |
| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 13/10/2026                | 18:03 | 37° 31' 35"   | 237° 06' 34"  | 13° 38' 38"                  | 261° 12' 08" | 32° 07' 35"    |
| 13/10/2026                | 18:04 | 37° 19' 14"   | 237° 13' 18"  | 13° 23' 54"                  | 261° 13' 26" | 32° 07' 52"    |
| 13/10/2026                | 18:05 | 37° 06' 53"   | 237° 19' 58"  | 13° 09' 10"                  | 261° 14' 42" | 32° 08' 10"    |
| 13/10/2026                | 18:06 | 36° 54' 31"   | 237° 26' 35"  | 12° 54' 26"                  | 261° 15' 58" | 32° 08' 27"    |
| 13/10/2026                | 18:07 | 36° 42' 08"   | 237° 33' 08"  | 12° 39' 42"                  | 261° 17' 14" | 32° 08' 45"    |
| 13/10/2026                | 18:08 | 36° 29' 45"   | 237° 39' 37"  | 12° 24' 58"                  | 261° 18' 28" | 32° 09' 02"    |
| 13/10/2026                | 18:09 | 36° 17' 20"   | 237° 46' 02"  | 12° 10' 15"                  | 261° 19' 42" | 32° 09' 20"    |
| 13/10/2026                | 18:10 | 36° 04' 55"   | 237° 52' 24"  | 11° 55' 31"                  | 261° 20' 55" | 32° 09' 38"    |
| 13/10/2026                | 18:11 | 35° 52' 29"   | 237° 58' 43"  | 11° 40' 48"                  | 261° 22' 08" | 32° 09' 55"    |
| 13/10/2026                | 18:12 | 35° 40' 02"   | 238° 04' 57"  | 11° 26' 05"                  | 261° 23' 20" | 32° 10' 13"    |
| 13/10/2026                | 18:13 | 35° 27' 34"   | 238° 11' 09"  | 11° 11' 22"                  | 261° 24' 31" | 32° 10' 31"    |
| 13/10/2026                | 18:14 | 35° 15' 05"   | 238° 17' 16"  | 10° 56' 39"                  | 261° 25' 41" | 32° 10' 49"    |
| 13/10/2026                | 18:15 | 35° 02' 36"   | 238° 23' 21"  | 10° 41' 56"                  | 261° 26' 51" | 32° 11' 07"    |
| 13/10/2026                | 18:16 | 34° 50' 06"   | 238° 29' 21"  | 10° 27' 14"                  | 261° 28' 01" | 32° 11' 24"    |
| 13/10/2026                | 18:17 | 34° 37' 36"   | 238° 35' 19"  | 10° 12' 32"                  | 261° 29' 09" | 32° 11' 42"    |
| 13/10/2026                | 18:18 | 34° 25' 04"   | 238° 41' 13"  | 09° 57' 50"                  | 261° 30' 17" | 32° 12' 00"    |
| 13/10/2026                | 18:19 | 34° 12' 32"   | 238° 47' 04"  | 09° 43' 08"                  | 261° 31' 24" | 32° 12' 18"    |
| 13/10/2026                | 18:20 | 33° 59' 59"   | 238° 52' 51"  | 09° 28' 27"                  | 261° 32' 31" | 32° 12' 36"    |
| 13/10/2026                | 18:21 | 33° 47' 26"   | 238° 58' 36"  | 09° 13' 46"                  | 261° 33' 37" | 32° 12' 54"    |
| 13/10/2026                | 18:22 | 33° 34' 52"   | 239° 04' 17"  | 08° 59' 06"                  | 261° 34' 43" | 32° 13' 13"    |
| 13/10/2026                | 18:23 | 33° 22' 17"   | 239° 09' 55"  | 08° 44' 25"                  | 261° 35' 47" | 32° 13' 31"    |
| 13/10/2026                | 18:24 | 33° 09' 41"   | 239° 15' 29"  | 08° 29' 45"                  | 261° 36' 52" | 32° 13' 49"    |
| 13/10/2026                | 18:25 | 32° 57' 05"   | 239° 21' 01"  | 08° 15' 06"                  | 261° 37' 55" | 32° 14' 07"    |
| 13/10/2026                | 18:26 | 32° 44' 28"   | 239° 26' 29"  | 08° 00' 27"                  | 261° 38' 58" | 32° 14' 25"    |
| 13/10/2026                | 18:27 | 32° 31' 51"   | 239° 31' 55"  | 07° 45' 49"                  | 261° 40' 00" | 32° 14' 44"    |
| 13/10/2026                | 18:28 | 32° 19' 13"   | 239° 37' 17"  | 07° 31' 11"                  | 261° 41' 02" | 32° 15' 02"    |
| 13/10/2026                | 18:29 | 32° 06' 34"   | 239° 42' 36"  | 07° 16' 34"                  | 261° 42' 03" | 32° 15' 20"    |
| 13/10/2026                | 18:30 | 31° 53' 55"   | 239° 47' 52"  | 07° 01' 57"                  | 261° 43' 04" | 32° 15' 39"    |
| 13/10/2026                | 18:31 | 31° 41' 15"   | 239° 53' 06"  | 06° 47' 21"                  | 261° 44' 04" | 32° 15' 57"    |
| 13/10/2026                | 18:32 | 31° 28' 34"   | 239° 58' 16"  | 06° 32' 46"                  | 261° 45' 03" | 32° 16' 16"    |
| 13/10/2026                | 18:33 | 31° 15' 53"   | 240° 03' 23"  | 06° 18' 12"                  | 261° 46' 02" | 32° 16' 34"    |

Sumber : Perisian AIMS JUPEM



JABATAN UKUR DAN PEMETAAN MALAYSIA (JUPEM)  
Bahagian Ukur Geodetik



DATA RUKYAH MATAHARI DAN BULAN

PICC, Putrajaya

[ 2°53'40" U, 101°40'36" T, 80 m ]

Terbias

Delta T 75.4 saat

| Bulan Terbenam : 21:01:00 |       |               | 13/10/2026    | Matahari Terbenam : 19:03:00 |              |                |
|---------------------------|-------|---------------|---------------|------------------------------|--------------|----------------|
| Umur Hilal : 69j 11m      |       |               |               | Ijtimak : 23:50 (2026-10-10) |              |                |
| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 13/10/2026                | 18:34 | 31° 03' 11"   | 240° 08' 28"  | 06° 03' 38"                  | 261° 47' 00" | 32° 16' 53"    |
| 13/10/2026                | 18:35 | 30° 50' 29"   | 240° 13' 30"  | 05° 49' 06"                  | 261° 47' 57" | 32° 17' 11"    |
| 13/10/2026                | 18:36 | 30° 37' 46"   | 240° 18' 28"  | 05° 34' 35"                  | 261° 48' 54" | 32° 17' 30"    |
| 13/10/2026                | 18:37 | 30° 25' 03"   | 240° 23' 24"  | 05° 20' 05"                  | 261° 49' 51" | 32° 17' 48"    |
| 13/10/2026                | 18:38 | 30° 12' 19"   | 240° 28' 18"  | 05° 05' 36"                  | 261° 50' 46" | 32° 18' 07"    |
| 13/10/2026                | 18:39 | 29° 59' 35"   | 240° 33' 08"  | 04° 51' 09"                  | 261° 51' 42" | 32° 18' 26"    |
| 13/10/2026                | 18:40 | 29° 46' 50"   | 240° 37' 56"  | 04° 36' 43"                  | 261° 52' 36" | 32° 18' 45"    |
| 13/10/2026                | 18:41 | 29° 34' 04"   | 240° 42' 41"  | 04° 22' 20"                  | 261° 53' 30" | 32° 19' 03"    |
| 13/10/2026                | 18:42 | 29° 21' 18"   | 240° 47' 23"  | 04° 07' 58"                  | 261° 54' 24" | 32° 19' 22"    |
| 13/10/2026                | 18:43 | 29° 08' 31"   | 240° 52' 02"  | 03° 53' 38"                  | 261° 55' 17" | 32° 19' 41"    |
| 13/10/2026                | 18:44 | 28° 55' 44"   | 240° 56' 39"  | 03° 39' 21"                  | 261° 56' 09" | 32° 20' 00"    |
| 13/10/2026                | 18:45 | 28° 42' 57"   | 241° 01' 14"  | 03° 25' 07"                  | 261° 57' 01" | 32° 20' 19"    |
| 13/10/2026                | 18:46 | 28° 30' 09"   | 241° 05' 45"  | 03° 10' 56"                  | 261° 57' 52" | 32° 20' 38"    |
| 13/10/2026                | 18:47 | 28° 17' 20"   | 241° 10' 14"  | 02° 56' 49"                  | 261° 58' 43" | 32° 20' 57"    |
| 13/10/2026                | 18:48 | 28° 04' 31"   | 241° 14' 41"  | 02° 42' 45"                  | 261° 59' 33" | 32° 21' 16"    |
| 13/10/2026                | 18:49 | 27° 51' 42"   | 241° 19' 05"  | 02° 28' 46"                  | 262° 00' 23" | 32° 21' 35"    |
| 13/10/2026                | 18:50 | 27° 38' 52"   | 241° 23' 26"  | 02° 14' 52"                  | 262° 01' 12" | 32° 21' 55"    |
| 13/10/2026                | 18:51 | 27° 26' 02"   | 241° 27' 45"  | 02° 01' 03"                  | 262° 02' 01" | 32° 22' 14"    |
| 13/10/2026                | 18:52 | 27° 13' 11"   | 241° 32' 02"  | 01° 47' 21"                  | 262° 02' 49" | 32° 22' 33"    |
| 13/10/2026                | 18:53 | 27° 00' 19"   | 241° 36' 16"  | 01° 33' 46"                  | 262° 03' 36" | 32° 22' 52"    |
| 13/10/2026                | 18:54 | 26° 47' 28"   | 241° 40' 27"  | 01° 20' 20"                  | 262° 04' 23" | 32° 23' 12"    |
| 13/10/2026                | 18:55 | 26° 34' 36"   | 241° 44' 36"  | 01° 07' 02"                  | 262° 05' 09" | 32° 23' 31"    |
| 13/10/2026                | 18:56 | 26° 21' 43"   | 241° 48' 43"  | 00° 53' 54"                  | 262° 05' 55" | 32° 23' 51"    |
| 13/10/2026                | 18:57 | 26° 08' 50"   | 241° 52' 48"  | 00° 40' 57"                  | 262° 06' 40" | 32° 24' 10"    |
| 13/10/2026                | 18:58 | 25° 55' 57"   | 241° 56' 49"  | 00° 28' 11"                  | 262° 07' 25" | 32° 24' 30"    |
| 13/10/2026                | 18:59 | 25° 43' 03"   | 242° 00' 49"  | 00° 15' 36"                  | 262° 08' 09" | 32° 24' 49"    |
| 13/10/2026                | 19:00 | 25° 30' 09"   | 242° 04' 46"  | 00° 03' 10"                  | 262° 08' 53" | 32° 25' 09"    |
| 13/10/2026                | 19:01 | 25° 17' 14"   | 242° 08' 41"  | -00° 09' 09"                 | 262° 09' 36" | 32° 25' 28"    |
| 13/10/2026                | 19:02 | 25° 04' 19"   | 242° 12' 34"  | -00° 21' 28"                 | 262° 10' 19" | 32° 25' 48"    |
| 13/10/2026                | 19:03 | 24° 51' 24"   | 242° 16' 24"  | -00° 33' 56"                 | 262° 11' 01" | 32° 26' 08"    |
| 13/10/2026                | 19:04 | 24° 38' 28"   | 242° 20' 13"  | -00° 46' 49"                 | 262° 11' 43" | 32° 26' 28"    |

Sumber : Perisian AIMS JUPEM



JABATAN UKUR DAN PEMETAAN MALAYSIA (JUPEM)  
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PICC, Putrajaya  
[ 2°53'40" U, 101°40'36" T, 80 m ]  
Terbias  
Delta T 75.4 saat

| Bulan Terbenam : 21:01:00 |       |               | 13/10/2026    | Matahari Terbenam : 19:03:00 |              |                |
|---------------------------|-------|---------------|---------------|------------------------------|--------------|----------------|
| Umur Hilal : 69j 11m      |       |               |               | Ijtimak : 23:50 (2026-10-10) |              |                |
| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 13/10/2026                | 19:05 | 24° 25' 32"   | 242° 23' 58"  | -01° 00' 26"                 | 262° 12' 24" | 32° 26' 47"    |
| 13/10/2026                | 19:06 | 24° 12' 36"   | 242° 27' 42"  | -01° 15' 09"                 | 262° 13' 04" | 32° 27' 07"    |
| 13/10/2026                | 19:07 | 23° 59' 39"   | 242° 31' 24"  | -01° 31' 14"                 | 262° 13' 44" | 32° 27' 27"    |
| 13/10/2026                | 19:08 | 23° 46' 42"   | 242° 35' 03"  | -01° 48' 51"                 | 262° 14' 24" | 32° 27' 47"    |
| 13/10/2026                | 19:09 | 23° 33' 45"   | 242° 38' 40"  | -02° 07' 48"                 | 262° 15' 03" | 32° 28' 07"    |
| 13/10/2026                | 19:10 | 23° 20' 47"   | 242° 42' 15"  | -02° 27' 42"                 | 262° 15' 41" | 32° 28' 27"    |
| 13/10/2026                | 19:11 | 23° 07' 49"   | 242° 45' 48"  | -02° 48' 00"                 | 262° 16' 19" | 32° 28' 47"    |
| 13/10/2026                | 19:12 | 22° 54' 50"   | 242° 49' 18"  | -03° 08' 12"                 | 262° 16' 56" | 32° 29' 07"    |
| 13/10/2026                | 19:13 | 22° 41' 52"   | 242° 52' 47"  | -03° 27' 57"                 | 262° 17' 33" | 32° 29' 27"    |
| 13/10/2026                | 19:14 | 22° 28' 53"   | 242° 56' 13"  | -03° 47' 02"                 | 262° 18' 10" | 32° 29' 48"    |
| 13/10/2026                | 19:15 | 22° 15' 53"   | 242° 59' 38"  | -04° 05' 27"                 | 262° 18' 46" | 32° 30' 08"    |
| 13/10/2026                | 19:16 | 22° 02' 54"   | 243° 03' 00"  | -04° 23' 13"                 | 262° 19' 21" | 32° 30' 28"    |
| 13/10/2026                | 19:17 | 21° 49' 54"   | 243° 06' 20"  | -04° 40' 26"                 | 262° 19' 56" | 32° 30' 49"    |
| 13/10/2026                | 19:18 | 21° 36' 53"   | 243° 09' 39"  | -04° 57' 25"                 | 262° 20' 30" | 32° 31' 09"    |
| 13/10/2026                | 19:19 | 21° 23' 53"   | 243° 12' 55"  | -05° 12' 26"                 | 262° 21' 04" | 32° 31' 29"    |
| 13/10/2026                | 19:20 | 21° 10' 52"   | 243° 16' 09"  | -05° 29' 02"                 | 262° 21' 38" | 32° 31' 50"    |
| 13/10/2026                | 19:21 | 20° 57' 51"   | 243° 19' 21"  | -05° 44' 50"                 | 262° 22' 10" | 32° 32' 10"    |
| 13/10/2026                | 19:22 | 20° 44' 50"   | 243° 22' 31"  | -06° 00' 23"                 | 262° 22' 43" | 32° 32' 31"    |
| 13/10/2026                | 19:23 | 20° 31' 48"   | 243° 25' 39"  | -06° 15' 46"                 | 262° 23' 15" | 32° 32' 52"    |
| 13/10/2026                | 19:24 | 20° 18' 46"   | 243° 28' 46"  | -06° 31' 02"                 | 262° 23' 46" | 32° 33' 12"    |
| 13/10/2026                | 19:25 | 20° 05' 44"   | 243° 31' 50"  | -06° 46' 11"                 | 262° 24' 17" | 32° 33' 33"    |
| 13/10/2026                | 19:26 | 19° 52' 42"   | 243° 34' 52"  | -07° 01' 16"                 | 262° 24' 47" | 32° 33' 54"    |
| 13/10/2026                | 19:27 | 19° 39' 39"   | 243° 37' 53"  | -07° 16' 17"                 | 262° 25' 17" | 32° 34' 14"    |
| 13/10/2026                | 19:28 | 19° 26' 36"   | 243° 40' 51"  | -07° 31' 15"                 | 262° 25' 46" | 32° 34' 35"    |
| 13/10/2026                | 19:29 | 19° 13' 33"   | 243° 43' 48"  | -07° 46' 11"                 | 262° 26' 15" | 32° 34' 56"    |
| 13/10/2026                | 19:30 | 19° 00' 30"   | 243° 46' 43"  | -08° 01' 05"                 | 262° 26' 43" | 32° 35' 17"    |
| 13/10/2026                | 19:31 | 18° 47' 26"   | 243° 49' 36"  | -08° 15' 57"                 | 262° 27' 11" | 32° 35' 38"    |
| 13/10/2026                | 19:32 | 18° 34' 22"   | 243° 52' 27"  | -08° 30' 48"                 | 262° 27' 38" | 32° 35' 59"    |
| 13/10/2026                | 19:33 | 18° 21' 18"   | 243° 55' 16"  | -08° 45' 39"                 | 262° 28' 05" | 32° 36' 20"    |
| 13/10/2026                | 19:34 | 18° 08' 14"   | 243° 58' 03"  | -09° 00' 28"                 | 262° 28' 31" | 32° 36' 41"    |
| 13/10/2026                | 19:35 | 17° 55' 10"   | 244° 00' 49"  | -09° 15' 18"                 | 262° 28' 57" | 32° 37' 03"    |

Sumber : Perisian AIMS JUPEM



**JABATAN UKUR DAN PEMETAAN MALAYSIA (JUPEM)**  
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**DATA RUKYAH MATAHARI DAN BULAN**  
**PICC, Putrajaya**  
**[ 2°53'40" U, 101°40'36" T, 80 m ]**  
**Terbias**  
**Delta T 75.4 saat**

| Bulan Terbenam : 21:01:00 |       |               | 13/10/2026    | Matahari Terbenam : 19:03:00 |              |                |
|---------------------------|-------|---------------|---------------|------------------------------|--------------|----------------|
| Umur Hilal : 69j 11m      |       |               |               | Ijtimak : 23:50 (2026-10-10) |              |                |
| Tarikh                    | Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH                   | Azimuth MH   | Jarak Lengkung |
| 13/10/2026                | 19:36 | 17° 42' 05"   | 244° 03' 33"  | -09° 30' 06"                 | 262° 29' 22" | 32° 37' 24"    |
| 13/10/2026                | 19:37 | 17° 29' 01"   | 244° 06' 15"  | -09° 44' 55"                 | 262° 29' 47" | 32° 37' 45"    |
| 13/10/2026                | 19:38 | 17° 15' 56"   | 244° 08' 55"  | -09° 59' 43"                 | 262° 30' 11" | 32° 38' 06"    |
| 13/10/2026                | 19:39 | 17° 02' 51"   | 244° 11' 33"  | -10° 14' 31"                 | 262° 30' 35" | 32° 38' 28"    |
| 13/10/2026                | 19:40 | 16° 49' 46"   | 244° 14' 10"  | -10° 29' 18"                 | 262° 30' 58" | 32° 38' 49"    |
| 13/10/2026                | 19:41 | 16° 36' 40"   | 244° 16' 44"  | -10° 44' 06"                 | 262° 31' 21" | 32° 39' 11"    |
| 13/10/2026                | 19:42 | 16° 23' 35"   | 244° 19' 18"  | -10° 58' 54"                 | 262° 31' 43" | 32° 39' 32"    |
| 13/10/2026                | 19:43 | 16° 10' 29"   | 244° 21' 49"  | -11° 13' 41"                 | 262° 32' 05" | 32° 39' 54"    |
| 13/10/2026                | 19:44 | 15° 57' 23"   | 244° 24' 18"  | -11° 28' 29"                 | 262° 32' 26" | 32° 40' 15"    |
| 13/10/2026                | 19:45 | 15° 44' 17"   | 244° 26' 46"  | -11° 43' 16"                 | 262° 32' 47" | 32° 40' 37"    |
| 13/10/2026                | 19:46 | 15° 31' 11"   | 244° 29' 12"  | -11° 58' 04"                 | 262° 33' 07" | 32° 40' 59"    |
| 13/10/2026                | 19:47 | 15° 18' 05"   | 244° 31' 37"  | -12° 12' 52"                 | 262° 33' 27" | 32° 41' 21"    |
| 13/10/2026                | 19:48 | 15° 04' 58"   | 244° 34' 00"  | -12° 27' 39"                 | 262° 33' 46" | 32° 41' 42"    |
| 13/10/2026                | 19:49 | 14° 51' 52"   | 244° 36' 21"  | -12° 42' 27"                 | 262° 34' 05" | 32° 42' 04"    |
| 13/10/2026                | 19:50 | 14° 38' 45"   | 244° 38' 40"  | -12° 57' 15"                 | 262° 34' 23" | 32° 42' 26"    |
| 13/10/2026                | 19:51 | 14° 25' 39"   | 244° 40' 58"  | -13° 12' 03"                 | 262° 34' 41" | 32° 42' 48"    |
| 13/10/2026                | 19:52 | 14° 12' 32"   | 244° 43' 14"  | -13° 26' 51"                 | 262° 34' 58" | 32° 43' 10"    |
| 13/10/2026                | 19:53 | 13° 59' 25"   | 244° 45' 28"  | -13° 41' 39"                 | 262° 35' 14" | 32° 43' 32"    |
| 13/10/2026                | 19:54 | 13° 46' 18"   | 244° 47' 41"  | -13° 56' 27"                 | 262° 35' 30" | 32° 43' 54"    |
| 13/10/2026                | 19:55 | 13° 33' 11"   | 244° 49' 52"  | -14° 11' 15"                 | 262° 35' 46" | 32° 44' 16"    |
| 13/10/2026                | 19:56 | 13° 20' 04"   | 244° 52' 02"  | -14° 26' 03"                 | 262° 36' 01" | 32° 44' 39"    |
| 13/10/2026                | 19:57 | 13° 06' 57"   | 244° 54' 10"  | -14° 40' 51"                 | 262° 36' 16" | 32° 45' 01"    |
| 13/10/2026                | 19:58 | 12° 53' 50"   | 244° 56' 16"  | -14° 55' 40"                 | 262° 36' 30" | 32° 45' 23"    |
| 13/10/2026                | 19:59 | 12° 40' 43"   | 244° 58' 21"  | -15° 10' 28"                 | 262° 36' 43" | 32° 45' 45"    |
| 13/10/2026                | 20:00 | 12° 27' 36"   | 245° 00' 24"  | -15° 25' 17"                 | 262° 36' 56" | 32° 46' 08"    |
| 13/10/2026                | 20:01 | 12° 14' 28"   | 245° 02' 25"  | -15° 40' 05"                 | 262° 37' 09" | 32° 46' 30"    |
| 13/10/2026                | 20:02 | 12° 01' 21"   | 245° 04' 25"  | -15° 54' 54"                 | 262° 37' 21" | 32° 46' 53"    |
| 13/10/2026                | 20:03 | 11° 48' 14"   | 245° 06' 24"  | -16° 09' 43"                 | 262° 37' 32" | 32° 47' 15"    |

Sumber : Perisian AIMS JUPEM