



DATA RUKYAH MATAHARI DAN BULAN
Menara UMS, WP Labuan
[05°16'43" U, 115°10'25" T]

| Bulan Terbenam : 18:27:00 | | 13/12/2023 | | Matahari Terbenam : 18:08:00 | |
|---------------------------|---------------|---------------------------------|-------------|------------------------------|----------------|
| Umur Hilal : 10j 55m | | Ijtimak : 07:32:00 (2023-12-13) | | | |
| Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH | Azimuth MH | Jarak Lengkung |
| 17:08 | 15° 36' 31" | 238° 50' 07" | 12° 50' 47" | 244° 48' 39" | 06° 14' 57" |
| 17:09 | 15° 24' 14" | 238° 53' 35" | 12° 37' 21" | 244° 51' 27" | 06° 15' 10" |
| 17:10 | 15° 11' 57" | 238° 57' 01" | 12° 23' 54" | 244° 54' 14" | 06° 15' 24" |
| 17:11 | 14° 59' 40" | 239° 00' 24" | 12° 10' 28" | 244° 56' 59" | 06° 15' 37" |
| 17:12 | 14° 47' 22" | 239° 03' 46" | 11° 57' 01" | 244° 59' 42" | 06° 15' 51" |
| 17:13 | 14° 35' 04" | 239° 07' 06" | 11° 43' 34" | 245° 02' 23" | 06° 16' 04" |
| 17:14 | 14° 22' 46" | 239° 10' 24" | 11° 30' 06" | 245° 05' 03" | 06° 16' 18" |
| 17:15 | 14° 10' 27" | 239° 13' 41" | 11° 16' 39" | 245° 07' 41" | 06° 16' 32" |
| 17:16 | 13° 58' 08" | 239° 16' 55" | 11° 03' 12" | 245° 10' 17" | 06° 16' 45" |
| 17:17 | 13° 45' 49" | 239° 20' 07" | 10° 49' 44" | 245° 12' 52" | 06° 16' 59" |
| 17:18 | 13° 33' 30" | 239° 23' 18" | 10° 36' 17" | 245° 15' 25" | 06° 17' 13" |
| 17:19 | 13° 21' 10" | 239° 26' 27" | 10° 22' 49" | 245° 17' 56" | 06° 17' 27" |
| 17:20 | 13° 08' 50" | 239° 29' 34" | 10° 09' 22" | 245° 20' 26" | 06° 17' 41" |
| 17:21 | 12° 56' 30" | 239° 32' 39" | 09° 55' 54" | 245° 22' 54" | 06° 17' 55" |
| 17:22 | 12° 44' 10" | 239° 35' 42" | 09° 42' 27" | 245° 25' 21" | 06° 18' 09" |
| 17:23 | 12° 31' 50" | 239° 38' 43" | 09° 28' 59" | 245° 27' 46" | 06° 18' 23" |
| 17:24 | 12° 19' 29" | 239° 41' 43" | 09° 15' 31" | 245° 30' 09" | 06° 18' 37" |
| 17:25 | 12° 07' 08" | 239° 44' 41" | 09° 02' 04" | 245° 32' 31" | 06° 18' 51" |
| 17:26 | 11° 54' 47" | 239° 47' 37" | 08° 48' 37" | 245° 34' 51" | 06° 19' 06" |
| 17:27 | 11° 42' 25" | 239° 50' 31" | 08° 35' 09" | 245° 37' 09" | 06° 19' 20" |
| 17:28 | 11° 30' 04" | 239° 53' 24" | 08° 21' 42" | 245° 39' 26" | 06° 19' 35" |
| 17:29 | 11° 17' 42" | 239° 56' 15" | 08° 08' 15" | 245° 41' 42" | 06° 19' 49" |
| 17:30 | 11° 05' 21" | 239° 59' 04" | 07° 54' 49" | 245° 43' 55" | 06° 20' 04" |
| 17:31 | 10° 52' 59" | 240° 01' 51" | 07° 41' 22" | 245° 46' 08" | 06° 20' 18" |
| 17:32 | 10° 40' 37" | 240° 04' 37" | 07° 27' 56" | 245° 48' 18" | 06° 20' 33" |
| 17:33 | 10° 28' 15" | 240° 07' 20" | 07° 14' 30" | 245° 50' 28" | 06° 20' 48" |
| 17:34 | 10° 15' 52" | 240° 10' 02" | 07° 01' 05" | 245° 52' 35" | 06° 21' 02" |
| 17:35 | 10° 03' 30" | 240° 12' 43" | 06° 47' 40" | 245° 54' 41" | 06° 21' 17" |
| 17:36 | 09° 51' 08" | 240° 15' 21" | 06° 34' 15" | 245° 56' 46" | 06° 21' 32" |
| 17:37 | 09° 38' 45" | 240° 17' 58" | 06° 20' 51" | 245° 58' 49" | 06° 21' 47" |

Sumber : Perisian AIMS



DATA RUKYAH MATAHARI DAN BULAN
Menara UMS, WP Labuan
[05°16'43" U, 115°10'25" T]

| Bulan Terbenam : 18:27:00 | | 13/12/2023 | | Matahari Terbenam : 18:08:00 | |
|---------------------------|---------------|---------------------------------|--------------|------------------------------|----------------|
| Umur Hilal : 10j 55m | | Ijtimak : 07:32:00 (2023-12-13) | | | |
| Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH | Azimuth MH | Jarak Lengkung |
| 17:38 | 09° 26' 23" | 240° 20' 34" | 06° 07' 27" | 246° 00' 51" | 06° 22' 02" |
| 17:39 | 09° 14' 01" | 240° 23' 07" | 05° 54' 05" | 246° 02' 51" | 06° 22' 17" |
| 17:40 | 09° 01' 38" | 240° 25' 39" | 05° 40' 42" | 246° 04' 49" | 06° 22' 32" |
| 17:41 | 08° 49' 16" | 240° 28' 09" | 05° 27' 21" | 246° 06' 46" | 06° 22' 47" |
| 17:42 | 08° 36' 54" | 240° 30' 38" | 05° 14' 01" | 246° 08' 42" | 06° 23' 03" |
| 17:43 | 08° 24' 32" | 240° 33' 05" | 05° 00' 41" | 246° 10' 36" | 06° 23' 18" |
| 17:44 | 08° 12' 10" | 240° 35' 30" | 04° 47' 23" | 246° 12' 28" | 06° 23' 33" |
| 17:45 | 07° 59' 48" | 240° 37' 53" | 04° 34' 06" | 246° 14' 19" | 06° 23' 49" |
| 17:46 | 07° 47' 26" | 240° 40' 15" | 04° 20' 51" | 246° 16' 09" | 06° 24' 04" |
| 17:47 | 07° 35' 04" | 240° 42' 36" | 04° 07' 37" | 246° 17' 57" | 06° 24' 20" |
| 17:48 | 07° 22' 43" | 240° 44' 54" | 03° 54' 24" | 246° 19' 44" | 06° 24' 36" |
| 17:49 | 07° 10' 22" | 240° 47' 11" | 03° 41' 14" | 246° 21' 29" | 06° 24' 51" |
| 17:50 | 06° 58' 01" | 240° 49' 27" | 03° 28' 06" | 246° 23' 12" | 06° 25' 07" |
| 17:51 | 06° 45' 40" | 240° 51' 40" | 03° 15' 00" | 246° 24' 55" | 06° 25' 23" |
| 17:52 | 06° 33' 20" | 240° 53' 53" | 03° 01' 57" | 246° 26' 36" | 06° 25' 39" |
| 17:53 | 06° 21' 00" | 240° 56' 03" | 02° 48' 58" | 246° 28' 15" | 06° 25' 55" |
| 17:54 | 06° 08' 41" | 240° 58' 12" | 02° 36' 01" | 246° 29' 53" | 06° 26' 11" |
| 17:55 | 05° 56' 22" | 241° 00' 20" | 02° 23' 09" | 246° 31' 29" | 06° 26' 27" |
| 17:56 | 05° 44' 04" | 241° 02' 25" | 02° 10' 21" | 246° 33' 04" | 06° 26' 43" |
| 17:57 | 05° 31' 47" | 241° 04' 29" | 01° 57' 38" | 246° 34' 38" | 06° 26' 59" |
| 17:58 | 05° 19' 30" | 241° 06' 32" | 01° 45' 00" | 246° 36' 10" | 06° 27' 15" |
| 17:59 | 05° 07' 14" | 241° 08' 33" | 01° 32' 28" | 246° 37' 41" | 06° 27' 32" |
| 18:00 | 04° 54' 59" | 241° 10' 33" | 01° 20' 04" | 246° 39' 10" | 06° 27' 48" |
| 18:01 | 04° 42' 44" | 241° 12' 30" | 01° 07' 46" | 246° 40' 38" | 06° 28' 05" |
| 18:02 | 04° 30' 31" | 241° 14' 27" | 00° 55' 38" | 246° 42' 05" | 06° 28' 21" |
| 18:03 | 04° 18' 20" | 241° 16' 21" | 00° 43' 38" | 246° 43' 30" | 06° 28' 38" |
| 18:04 | 04° 06' 09" | 241° 18' 15" | 00° 31' 47" | 246° 44' 53" | 06° 28' 55" |
| 18:05 | 03° 54' 00" | 241° 20' 06" | 00° 20' 06" | 246° 46' 16" | 06° 29' 11" |
| 18:06 | 03° 41' 53" | 241° 21' 56" | 00° 08' 33" | 246° 47' 36" | 06° 29' 28" |
| 18:07 | 03° 29' 47" | 241° 23' 45" | -00° 02' 52" | 246° 48' 56" | 06° 29' 45" |

Sumber : Perisian AIMS



DATA RUKYAH MATAHARI DAN BULAN
Menara UMS, WP Labuan
[05°16'43" U, 115°10'25" T]

| Bulan Terbenam : 18:27:00 | | 13/12/2023 | | Matahari Terbenam : 18:08:00 | |
|---------------------------|---------------|---------------------------------|--------------|------------------------------|----------------|
| Umur Hilal : 10j 55m | | Ijtimak : 07:32:00 (2023-12-13) | | | |
| Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH | Azimuth MH | Jarak Lengkung |
| 18:08 | 03° 17' 44" | 241° 25' 32" | -00° 14' 15" | 246° 50' 14" | 06° 30' 02" |
| 18:09 | 03° 05' 43" | 241° 27' 17" | -00° 25' 40" | 246° 51' 30" | 06° 30' 19" |
| 18:10 | 02° 53' 44" | 241° 29' 01" | -00° 37' 18" | 246° 52' 46" | 06° 30' 36" |
| 18:11 | 02° 41' 48" | 241° 30' 44" | -00° 49' 20" | 246° 53' 59" | 06° 30' 53" |
| 18:12 | 02° 29' 55" | 241° 32' 25" | -01° 02' 04" | 246° 55' 12" | 06° 31' 11" |
| 18:13 | 02° 18' 06" | 241° 34' 04" | -01° 15' 45" | 246° 56' 23" | 06° 31' 28" |
| 18:14 | 02° 06' 21" | 241° 35' 42" | -01° 30' 39" | 246° 57' 32" | 06° 31' 45" |
| 18:15 | 01° 54' 40" | 241° 37' 18" | -01° 46' 51" | 246° 58' 41" | 06° 32' 03" |
| 18:16 | 01° 43' 03" | 241° 38' 53" | -02° 04' 14" | 246° 59' 48" | 06° 32' 20" |
| 18:17 | 01° 31' 32" | 241° 40' 26" | -02° 22' 31" | 247° 00' 53" | 06° 32' 38" |
| 18:18 | 01° 20' 07" | 241° 41' 58" | -02° 41' 15" | 247° 01' 57" | 06° 32' 55" |
| 18:19 | 01° 08' 48" | 241° 43' 29" | -03° 00' 03" | 247° 03' 00" | 06° 33' 13" |
| 18:20 | 00° 57' 36" | 241° 44' 57" | -03° 18' 33" | 247° 04' 01" | 06° 33' 31" |
| 18:21 | 00° 46' 32" | 241° 46' 25" | -03° 36' 33" | 247° 05' 01" | 06° 33' 49" |
| 18:22 | 00° 35' 36" | 241° 47' 50" | -03° 53' 59" | 247° 05' 59" | 06° 34' 07" |
| 18:23 | 00° 24' 47" | 241° 49' 15" | -04° 10' 49" | 247° 06' 56" | 06° 34' 25" |
| 18:24 | 00° 14' 06" | 241° 50' 38" | -04° 27' 08" | 247° 07' 52" | 06° 34' 43" |
| 18:25 | 00° 03' 32" | 241° 51' 59" | -04° 43' 01" | 247° 08' 47" | 06° 35' 01" |
| 18:26 | -00° 06' 57" | 241° 53' 19" | -04° 58' 48" | 247° 09' 40" | 06° 35' 19" |
| 18:27 | -00° 17' 25" | 241° 54' 37" | -05° 12' 32" | 247° 10' 31" | 06° 35' 37" |
| 18:28 | -00° 27' 58" | 241° 55' 54" | -05° 27' 57" | 247° 11' 21" | 06° 35' 56" |
| 18:29 | -00° 38' 42" | 241° 57' 09" | -05° 42' 37" | 247° 12' 10" | 06° 36' 14" |
| 18:30 | -00° 49' 49" | 241° 58' 23" | -05° 57' 04" | 247° 12' 58" | 06° 36' 33" |
| 18:31 | -01° 01' 32" | 241° 59' 36" | -06° 11' 22" | 247° 13' 44" | 06° 36' 51" |
| 18:32 | -01° 14' 03" | 242° 00' 46" | -06° 25' 33" | 247° 14' 28" | 06° 37' 10" |
| 18:33 | -01° 27' 35" | 242° 01' 56" | -06° 39' 38" | 247° 15' 12" | 06° 37' 29" |
| 18:34 | -01° 42' 12" | 242° 03' 04" | -06° 53' 39" | 247° 15' 53" | 06° 37' 48" |
| 18:35 | -01° 57' 52" | 242° 04' 10" | -07° 07' 36" | 247° 16' 34" | 06° 38' 06" |
| 18:36 | -02° 14' 24" | 242° 05' 15" | -07° 21' 30" | 247° 17' 13" | 06° 38' 25" |
| 18:37 | -02° 31' 30" | 242° 06' 19" | -07° 35' 22" | 247° 17' 51" | 06° 38' 44" |

Sumber : Perisian AIMS



DATA RUKYAH MATAHARI DAN BULAN
Menara UMS, WP Labuan
[05°16'43" U, 115°10'25" T]

| Bulan Terbenam : 18:27:00 | | 13/12/2023 | | Matahari Terbenam : 18:08:00 | |
|---------------------------|---------------|---------------------------------|--------------|------------------------------|----------------|
| Umur Hilal : 10j 55m | | Ijtimak : 07:32:00 (2023-12-13) | | | |
| Waktu | Altitud Bulan | Azimuth Bulan | Altitud MH | Azimuth MH | Jarak Lengkung |
| 18:38 | -02° 48' 48" | 242° 07' 21" | -07° 49' 13" | 247° 18' 27" | 06° 39' 04" |
| 18:39 | -03° 06' 02" | 242° 08' 22" | -08° 03' 02" | 247° 19' 02" | 06° 39' 23" |
| 18:40 | -03° 22' 56" | 242° 09' 21" | -08° 16' 49" | 247° 19' 36" | 06° 39' 42" |
| 18:41 | -03° 39' 24" | 242° 10' 19" | -08° 30' 36" | 247° 20' 08" | 06° 40' 01" |
| 18:42 | -03° 55' 22" | 242° 11' 15" | -08° 44' 22" | 247° 20' 39" | 06° 40' 21" |
| 18:43 | -04° 10' 50" | 242° 12' 09" | -08° 58' 07" | 247° 21' 08" | 06° 40' 40" |
| 18:44 | -04° 25' 52" | 242° 13' 03" | -09° 11' 52" | 247° 21' 36" | 06° 41' 00" |
| 18:45 | -04° 40' 31" | 242° 13' 55" | -09° 25' 37" | 247° 22' 02" | 06° 41' 19" |
| 18:46 | -04° 54' 57" | 242° 14' 45" | -09° 39' 21" | 247° 22' 28" | 06° 41' 39" |
| 18:47 | -05° 03' 52" | 242° 15' 34" | -09° 53' 05" | 247° 22' 51" | 06° 41' 59" |
| 18:48 | -05° 21' 59" | 242° 16' 21" | -10° 06' 49" | 247° 23' 14" | 06° 42' 19" |
| 18:49 | -05° 35' 37" | 242° 17' 07" | -10° 20' 33" | 247° 23' 35" | 06° 42' 39" |
| 18:50 | -05° 49' 00" | 242° 17' 52" | -10° 34' 16" | 247° 23' 54" | 06° 42' 59" |
| 18:51 | -06° 02' 14" | 242° 18' 35" | -10° 48' 00" | 247° 24' 12" | 06° 43' 19" |
| 18:52 | -06° 15' 20" | 242° 19' 16" | -11° 01' 44" | 247° 24' 29" | 06° 43' 39" |
| 18:53 | -06° 28' 21" | 242° 19' 56" | -11° 15' 27" | 247° 24' 44" | 06° 43' 59" |
| 18:54 | -06° 41' 17" | 242° 20' 35" | -11° 29' 11" | 247° 24' 58" | 06° 44' 19" |
| 18:55 | -06° 54' 10" | 242° 21' 12" | -11° 42' 54" | 247° 25' 11" | 06° 44' 40" |
| 18:56 | -07° 07' 00" | 242° 21' 48" | -11° 56' 38" | 247° 25' 22" | 06° 45' 00" |
| 18:57 | -07° 19' 47" | 242° 22' 22" | -12° 10' 22" | 247° 25' 31" | 06° 45' 21" |
| 18:58 | -07° 32' 32" | 242° 22' 54" | -12° 24' 06" | 247° 25' 39" | 06° 45' 41" |
| 18:59 | -07° 45' 16" | 242° 23' 26" | -12° 37' 49" | 247° 25' 46" | 06° 46' 02" |
| 19:00 | -07° 57' 58" | 242° 23' 55" | -12° 51' 33" | 247° 25' 51" | 06° 46' 23" |
| 19:01 | -08° 10' 39" | 242° 24' 24" | -13° 05' 17" | 247° 25' 55" | 06° 46' 44" |
| 19:02 | -08° 23' 20" | 242° 24' 50" | -13° 19' 01" | 247° 25' 57" | 06° 47' 04" |
| 19:03 | -08° 35' 59" | 242° 25' 16" | -13° 32' 45" | 247° 25' 58" | 06° 47' 25" |
| 19:04 | -08° 48' 38" | 242° 25' 40" | -13° 46' 29" | 247° 25' 58" | 06° 47' 47" |
| 19:05 | -09° 01' 16" | 242° 26' 02" | -14° 00' 13" | 247° 25' 56" | 06° 48' 08" |
| 19:06 | -09° 13' 54" | 242° 26' 23" | -14° 13' 57" | 247° 25' 52" | 06° 48' 29" |
| 19:07 | -09° 26' 32" | 242° 26' 42" | -14° 27' 42" | 247° 25' 47" | 06° 48' 50" |

Sumber : Perisian AIMS