



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

| Bulan Terbenam : 19:16:00 |               | 04/09/2024                      |             | Matahari Terbenam : 18:24:00 |                |
|---------------------------|---------------|---------------------------------|-------------|------------------------------|----------------|
| Umur Hilal : 33j 20m      |               | Ijtimak : 09:55:00 (2024-09-03) |             |                              |                |
| Waktu                     | Altitud Bulan | Azimuth Bulan                   | Altitud MH  | Azimuth MH                   | Jarak Lengkung |
| 17:24                     | 26° 26' 03"   | 269° 43' 35"                    | 14° 06' 36" | 275° 50' 37"                 | 13° 21' 03"    |
| 17:25                     | 26° 11' 24"   | 269° 44' 42"                    | 13° 51' 49" | 275° 51' 36"                 | 13° 21' 24"    |
| 17:26                     | 25° 56' 46"   | 269° 45' 48"                    | 13° 37' 01" | 275° 52' 36"                 | 13° 21' 46"    |
| 17:27                     | 25° 42' 07"   | 269° 46' 55"                    | 13° 22' 14" | 275° 53' 36"                 | 13° 22' 08"    |
| 17:28                     | 25° 27' 29"   | 269° 48' 01"                    | 13° 07' 27" | 275° 54' 36"                 | 13° 22' 29"    |
| 17:29                     | 25° 12' 50"   | 269° 49' 07"                    | 12° 52' 40" | 275° 55' 37"                 | 13° 22' 51"    |
| 17:30                     | 24° 58' 12"   | 269° 50' 14"                    | 12° 37' 53" | 275° 56' 38"                 | 13° 23' 13"    |
| 17:31                     | 24° 43' 34"   | 269° 51' 20"                    | 12° 23' 06" | 275° 57' 39"                 | 13° 23' 35"    |
| 17:32                     | 24° 28' 56"   | 269° 52' 26"                    | 12° 08' 20" | 275° 58' 41"                 | 13° 23' 56"    |
| 17:33                     | 24° 14' 18"   | 269° 53' 31"                    | 11° 53' 34" | 275° 59' 43"                 | 13° 24' 18"    |
| 17:34                     | 23° 59' 40"   | 269° 54' 37"                    | 11° 38' 48" | 276° 00' 46"                 | 13° 24' 40"    |
| 17:35                     | 23° 45' 02"   | 269° 55' 43"                    | 11° 24' 02" | 276° 01' 48"                 | 13° 25' 02"    |
| 17:36                     | 23° 30' 24"   | 269° 56' 48"                    | 11° 09' 17" | 276° 02' 52"                 | 13° 25' 25"    |
| 17:37                     | 23° 15' 46"   | 269° 57' 54"                    | 10° 54' 32" | 276° 03' 55"                 | 13° 25' 47"    |
| 17:38                     | 23° 01' 08"   | 269° 58' 59"                    | 10° 39' 47" | 276° 04' 59"                 | 13° 26' 09"    |
| 17:39                     | 22° 46' 31"   | 270° 00' 04"                    | 10° 25' 02" | 276° 06' 03"                 | 13° 26' 31"    |
| 17:40                     | 22° 31' 53"   | 270° 01' 09"                    | 10° 10' 18" | 276° 07' 08"                 | 13° 26' 53"    |
| 17:41                     | 22° 17' 16"   | 270° 02' 14"                    | 09° 55' 34" | 276° 08' 13"                 | 13° 27' 16"    |
| 17:42                     | 22° 02' 39"   | 270° 03' 19"                    | 09° 40' 50" | 276° 09' 19"                 | 13° 27' 38"    |
| 17:43                     | 21° 48' 01"   | 270° 04' 24"                    | 09° 26' 07" | 276° 10' 25"                 | 13° 28' 01"    |
| 17:44                     | 21° 33' 24"   | 270° 05' 29"                    | 09° 11' 24" | 276° 11' 31"                 | 13° 28' 23"    |
| 17:45                     | 21° 18' 47"   | 270° 06' 34"                    | 08° 56' 42" | 276° 12' 37"                 | 13° 28' 46"    |
| 17:46                     | 21° 04' 10"   | 270° 07' 38"                    | 08° 42' 00" | 276° 13' 44"                 | 13° 29' 08"    |
| 17:47                     | 20° 49' 33"   | 270° 08' 43"                    | 08° 27' 19" | 276° 14' 52"                 | 13° 29' 31"    |
| 17:48                     | 20° 34' 57"   | 270° 09' 47"                    | 08° 12' 38" | 276° 15' 59"                 | 13° 29' 54"    |
| 17:49                     | 20° 20' 20"   | 270° 10' 52"                    | 07° 57' 57" | 276° 17' 08"                 | 13° 30' 16"    |
| 17:50                     | 20° 05' 43"   | 270° 11' 56"                    | 07° 43' 17" | 276° 18' 16"                 | 13° 30' 39"    |
| 17:51                     | 19° 51' 07"   | 270° 13' 01"                    | 07° 28' 38" | 276° 19' 25"                 | 13° 31' 02"    |
| 17:52                     | 19° 36' 31"   | 270° 14' 05"                    | 07° 14' 00" | 276° 20' 34"                 | 13° 31' 25"    |
| 17:53                     | 19° 21' 54"   | 270° 15' 09"                    | 06° 59' 22" | 276° 21' 44"                 | 13° 31' 48"    |

Sumber : Perisian AIMS



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Menara UMS, WP Labuan  
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| Bulan Terbenam : 19:16:00 |               | 04/09/2024                      |             | Matahari Terbenam : 18:24:00 |                |
|---------------------------|---------------|---------------------------------|-------------|------------------------------|----------------|
| Umur Hilal : 33j 20m      |               | Ijtimak : 09:55:00 (2024-09-03) |             |                              |                |
| Waktu                     | Altitud Bulan | Azimuth Bulan                   | Altitud MH  | Azimuth MH                   | Jarak Lengkung |
| 17:54                     | 19° 07' 18"   | 270° 16' 13"                    | 06° 44' 45" | 276° 22' 54"                 | 13° 32' 11"    |
| 17:55                     | 18° 52' 42"   | 270° 17' 17"                    | 06° 30' 09" | 276° 24' 05"                 | 13° 32' 34"    |
| 17:56                     | 18° 38' 06"   | 270° 18' 21"                    | 06° 15' 34" | 276° 25' 16"                 | 13° 32' 57"    |
| 17:57                     | 18° 23' 31"   | 270° 19' 25"                    | 06° 01' 00" | 276° 26' 27"                 | 13° 33' 20"    |
| 17:58                     | 18° 08' 55"   | 270° 20' 29"                    | 05° 46' 27" | 276° 27' 39"                 | 13° 33' 44"    |
| 17:59                     | 17° 54' 19"   | 270° 21' 33"                    | 05° 31' 55" | 276° 28' 51"                 | 13° 34' 07"    |
| 18:00                     | 17° 39' 44"   | 270° 22' 37"                    | 05° 17' 24" | 276° 30' 04"                 | 13° 34' 30"    |
| 18:01                     | 17° 25' 09"   | 270° 23' 40"                    | 05° 02' 55" | 276° 31' 17"                 | 13° 34' 54"    |
| 18:02                     | 17° 10' 33"   | 270° 24' 44"                    | 04° 48' 28" | 276° 32' 30"                 | 13° 35' 17"    |
| 18:03                     | 16° 55' 58"   | 270° 25' 48"                    | 04° 34' 02" | 276° 33' 44"                 | 13° 35' 41"    |
| 18:04                     | 16° 41' 23"   | 270° 26' 51"                    | 04° 19' 38" | 276° 34' 58"                 | 13° 36' 04"    |
| 18:05                     | 16° 26' 49"   | 270° 27' 55"                    | 04° 05' 16" | 276° 36' 13"                 | 13° 36' 28"    |
| 18:06                     | 16° 12' 14"   | 270° 28' 59"                    | 03° 50' 57" | 276° 37' 28"                 | 13° 36' 51"    |
| 18:07                     | 15° 57' 39"   | 270° 30' 02"                    | 03° 36' 40" | 276° 38' 43"                 | 13° 37' 15"    |
| 18:08                     | 15° 43' 05"   | 270° 31' 06"                    | 03° 22' 26" | 276° 39' 59"                 | 13° 37' 39"    |
| 18:09                     | 15° 28' 31"   | 270° 32' 09"                    | 03° 08' 15" | 276° 41' 16"                 | 13° 38' 03"    |
| 18:10                     | 15° 13' 57"   | 270° 33' 13"                    | 02° 54' 09" | 276° 42' 32"                 | 13° 38' 27"    |
| 18:11                     | 14° 59' 23"   | 270° 34' 16"                    | 02° 40' 06" | 276° 43' 50"                 | 13° 38' 50"    |
| 18:12                     | 14° 44' 49"   | 270° 35' 20"                    | 02° 26' 08" | 276° 45' 07"                 | 13° 39' 14"    |
| 18:13                     | 14° 30' 16"   | 270° 36' 23"                    | 02° 12' 15" | 276° 46' 26"                 | 13° 39' 38"    |
| 18:14                     | 14° 15' 42"   | 270° 37' 27"                    | 01° 58' 27" | 276° 47' 44"                 | 13° 40' 03"    |
| 18:15                     | 14° 01' 09"   | 270° 38' 30"                    | 01° 44' 47" | 276° 49' 03"                 | 13° 40' 27"    |
| 18:16                     | 13° 46' 36"   | 270° 39' 33"                    | 01° 31' 14" | 276° 50' 23"                 | 13° 40' 51"    |
| 18:17                     | 13° 32' 03"   | 270° 40' 37"                    | 01° 17' 49" | 276° 51' 43"                 | 13° 41' 15"    |
| 18:18                     | 13° 17' 30"   | 270° 41' 40"                    | 01° 04' 34" | 276° 53' 03"                 | 13° 41' 39"    |
| 18:19                     | 13° 02' 58"   | 270° 42' 44"                    | 00° 51' 28" | 276° 54' 24"                 | 13° 42' 04"    |
| 18:20                     | 12° 48' 26"   | 270° 43' 47"                    | 00° 38' 33" | 276° 55' 45"                 | 13° 42' 28"    |
| 18:21                     | 12° 33' 54"   | 270° 44' 50"                    | 00° 25' 50" | 276° 57' 07"                 | 13° 42' 53"    |
| 18:22                     | 12° 19' 22"   | 270° 45' 54"                    | 00° 13' 17" | 276° 58' 29"                 | 13° 43' 17"    |
| 18:23                     | 12° 04' 50"   | 270° 46' 57"                    | 00° 00' 54" | 276° 59' 52"                 | 13° 43' 42"    |

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|---------------------------|---------------|---------------------------------|--------------|------------------------------|----------------|
| Umur Hilal : 33j 20m      |               | Ijtimak : 09:55:00 (2024-09-03) |              |                              |                |
| Waktu                     | Altitud Bulan | Azimuth Bulan                   | Altitud MH   | Azimuth MH                   | Jarak Lengkung |
| 18:24                     | 11° 50' 19"   | 270° 48' 00"                    | -00° 11' 24" | 277° 01' 15"                 | 13° 44' 06"    |
| 18:25                     | 11° 35' 48"   | 270° 49' 04"                    | -00° 23' 43" | 277° 02' 39"                 | 13° 44' 31"    |
| 18:26                     | 11° 21' 17"   | 270° 50' 07"                    | -00° 36' 14" | 277° 04' 03"                 | 13° 44' 56"    |
| 18:27                     | 11° 06' 47"   | 270° 51' 11"                    | -00° 49' 12" | 277° 05' 28"                 | 13° 45' 20"    |
| 18:28                     | 10° 52' 17"   | 270° 52' 14"                    | -01° 02' 58" | 277° 06' 53"                 | 13° 45' 45"    |
| 18:29                     | 10° 37' 47"   | 270° 53' 18"                    | -01° 17' 53" | 277° 08' 18"                 | 13° 46' 10"    |
| 18:30                     | 10° 23' 17"   | 270° 54' 21"                    | -01° 34' 13" | 277° 09' 44"                 | 13° 46' 35"    |
| 18:31                     | 10° 08' 48"   | 270° 55' 24"                    | -01° 52' 03" | 277° 11' 11"                 | 13° 47' 00"    |
| 18:32                     | 09° 54' 19"   | 270° 56' 28"                    | -02° 11' 11" | 277° 12' 38"                 | 13° 47' 25"    |
| 18:33                     | 09° 39' 51"   | 270° 57' 32"                    | -02° 31' 09" | 277° 14' 06"                 | 13° 47' 50"    |
| 18:34                     | 09° 25' 22"   | 270° 58' 35"                    | -02° 51' 26" | 277° 15' 34"                 | 13° 48' 15"    |
| 18:35                     | 09° 10' 55"   | 270° 59' 39"                    | -03° 11' 32" | 277° 17' 02"                 | 13° 48' 40"    |
| 18:36                     | 08° 56' 28"   | 271° 00' 42"                    | -03° 31' 08" | 277° 18' 32"                 | 13° 49' 06"    |
| 18:37                     | 08° 42' 01"   | 271° 01' 46"                    | -03° 50' 05" | 277° 20' 01"                 | 13° 49' 31"    |
| 18:38                     | 08° 27' 34"   | 271° 02' 50"                    | -04° 08' 21" | 277° 21' 31"                 | 13° 49' 56"    |
| 18:39                     | 08° 13' 09"   | 271° 03' 53"                    | -04° 25' 59" | 277° 23' 02"                 | 13° 50' 22"    |
| 18:40                     | 07° 58' 44"   | 271° 04' 57"                    | -04° 43' 06" | 277° 24' 33"                 | 13° 50' 47"    |
| 18:41                     | 07° 44' 19"   | 271° 06' 01"                    | -05° 00' 11" | 277° 26' 05"                 | 13° 51' 13"    |
| 18:42                     | 07° 29' 55"   | 271° 07' 05"                    | -05° 15' 11" | 277° 27' 37"                 | 13° 51' 38"    |
| 18:43                     | 07° 15' 32"   | 271° 08' 09"                    | -05° 31' 25" | 277° 29' 10"                 | 13° 52' 04"    |
| 18:44                     | 07° 01' 09"   | 271° 09' 12"                    | -05° 47' 08" | 277° 30' 44"                 | 13° 52' 30"    |
| 18:45                     | 06° 46' 47"   | 271° 10' 16"                    | -06° 02' 37" | 277° 32' 18"                 | 13° 52' 55"    |
| 18:46                     | 06° 32' 27"   | 271° 11' 20"                    | -06° 17' 57" | 277° 33' 52"                 | 13° 53' 21"    |
| 18:47                     | 06° 18' 07"   | 271° 12' 25"                    | -06° 33' 09" | 277° 35' 27"                 | 13° 53' 47"    |
| 18:48                     | 06° 03' 48"   | 271° 13' 29"                    | -06° 48' 15" | 277° 37' 03"                 | 13° 54' 13"    |
| 18:49                     | 05° 49' 30"   | 271° 14' 33"                    | -07° 03' 16" | 277° 38' 39"                 | 13° 54' 39"    |
| 18:50                     | 05° 35' 13"   | 271° 15' 37"                    | -07° 18' 14" | 277° 40' 16"                 | 13° 55' 05"    |
| 18:51                     | 05° 20' 57"   | 271° 16' 41"                    | -07° 33' 09" | 277° 41' 53"                 | 13° 55' 31"    |
| 18:52                     | 05° 06' 43"   | 271° 17' 46"                    | -07° 48' 02" | 277° 43' 31"                 | 13° 55' 57"    |
| 18:53                     | 04° 52' 31"   | 271° 18' 50"                    | -08° 02' 52" | 277° 45' 10"                 | 13° 56' 23"    |

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|---------------------------|---------------|---------------------------------|--------------|------------------------------|----------------|
| Umur Hilal : 33j 20m      |               | Ijtimak : 09:55:00 (2024-09-03) |              |                              |                |
| Waktu                     | Altitud Bulan | Azimuth Bulan                   | Altitud MH   | Azimuth MH                   | Jarak Lengkung |
| 18:54                     | 04° 38' 20"   | 271° 19' 55"                    | -08° 17' 42" | 277° 46' 49"                 | 13° 56' 49"    |
| 18:55                     | 04° 24' 11"   | 271° 20' 59"                    | -08° 32' 30" | 277° 48' 28"                 | 13° 57' 15"    |
| 18:56                     | 04° 10' 03"   | 271° 22' 04"                    | -08° 47' 17" | 277° 50' 09"                 | 13° 57' 42"    |
| 18:57                     | 03° 55' 59"   | 271° 23' 08"                    | -09° 02' 03" | 277° 51' 50"                 | 13° 58' 08"    |
| 18:58                     | 03° 41' 56"   | 271° 24' 13"                    | -09° 16' 49" | 277° 53' 31"                 | 13° 58' 35"    |
| 18:59                     | 03° 27' 56"   | 271° 25' 18"                    | -09° 31' 35" | 277° 55' 13"                 | 13° 59' 01"    |
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| 19:01                     | 03° 00' 07"   | 271° 27' 28"                    | -10° 01' 04" | 277° 58' 39"                 | 13° 59' 54"    |
| 19:02                     | 02° 46' 17"   | 271° 28' 33"                    | -10° 15' 48" | 278° 00' 23"                 | 14° 00' 21"    |
| 19:03                     | 02° 32' 32"   | 271° 29' 38"                    | -10° 30' 33" | 278° 02' 08"                 | 14° 00' 48"    |
| 19:04                     | 02° 18' 51"   | 271° 30' 43"                    | -10° 45' 16" | 278° 03' 53"                 | 14° 01' 14"    |
| 19:05                     | 02° 05' 16"   | 271° 31' 49"                    | -11° 00' 00" | 278° 05' 39"                 | 14° 01' 41"    |
| 19:06                     | 01° 51' 47"   | 271° 32' 54"                    | -11° 14' 44" | 278° 07' 26"                 | 14° 02' 08"    |
| 19:07                     | 01° 38' 25"   | 271° 34' 00"                    | -11° 29' 28" | 278° 09' 13"                 | 14° 02' 35"    |
| 19:08                     | 01° 25' 10"   | 271° 35' 05"                    | -11° 44' 11" | 278° 11' 01"                 | 14° 03' 02"    |
| 19:09                     | 01° 12' 04"   | 271° 36' 11"                    | -11° 58' 55" | 278° 12' 49"                 | 14° 03' 29"    |
| 19:10                     | 00° 59' 07"   | 271° 37' 17"                    | -12° 13' 38" | 278° 14' 39"                 | 14° 03' 56"    |
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| 19:13                     | 00° 21' 19"   | 271° 40' 35"                    | -12° 57' 49" | 278° 20' 10"                 | 14° 05' 17"    |
| 19:14                     | 00° 09' 03"   | 271° 41' 41"                    | -13° 12' 32" | 278° 22' 02"                 | 14° 05' 45"    |
| 19:15                     | -00° 03' 04"  | 271° 42' 47"                    | -13° 27' 15" | 278° 23' 55"                 | 14° 06' 12"    |
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| 19:23                     | -01° 55' 18"  | 271° 51' 42"                    | -15° 25' 02" | 278° 39' 23"                 | 14° 09' 53"    |

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