| Tahun M/ H | *Hilāl* | | | *Ijtimā’* | | Tinggi *hilāl* akhir Sya’ban | Hari | | Tanggal |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tinggi | Nurul (inch) | *Mukūṡ* (menit) | Waktu | Tgl |
| 1990/ 1410 | 5,20/100 Dr | 0,65 | 21 | - | - | - | Rabu Kliwon | | 28/03/1990 |
| 1991/ 1411 | 9,53/100 Dr | 0,99 | 39 | - | - | - | Senin Kliwon | | 18/03/1991 |
| 1992/ 1412 | 6,32/100 Dr | 0,75 | 25 | - | - | - | Jumat Wage | | 06/03/1992 |
| 1993/ 1413 | 6,34/100 Dr | 0,74 | 26 | - | - | - | Selasa Pon | | 23/02/1993 |
| 1994/ 1414 | 6,66/100 | 0,74 | 27 | - | - | - | Sabtu Pahing | | 12/02/1994 |
| 1995/ 1415 | 4,21/100 Dr | 0,56 | 17 | - | - | - | Rabu Legi | | 01/02/1995 |
| 1996/ 1416 | 10,60/100 Dr | 0,92 | 44 | - | - | - | Senin Legi | | 22/01/1996 |
| 1997/ 1417 | 2,42/100 Dr | - | 10 | - | - | - | Jum'at Kliwon | | 10/01/1997 |
| 1997/ 1418 | 8,58/100 Dr | 0,70 | 36 | - | - | - | Rabu Kliwon | | 31/12/1997 |
| 1998/ 1419 | 5,29/100 Dr | 0,47 | 22 | - | - | - | Ahad Wage | | 20/12/1998 |
| 1999/ 1920 | 5,48./100 Dr | 0,44 | 23 | - | - | - | Kamis Pon | | 09/12/1999 |
| 2000/ 1421 | 5,75 dr | 0,42 | 24 | - | - | - | Senin Pahing | | 27/11/2000 |
| 2001/ 1422 | 2,55dr | 0,23 | 10 | - | - | - | Jumat Legi | | 16/11/2001 |
| 2002/ 1423 | 7,13° | 0,55 | 35 | - | - | - | Rabu Legi | | 6/11/ 2002 |
| 2003/ 1424 | 11°16'44" | 0,85 | 54 | - | - | - | Senin Legi | | 27/10/2003 |
| 2004/ 1425 | 3°7' | 0,28 | - | - | - | - | Jumat Kliwon | | 15/10/2004 |
| 2005/ 1426 | 9°48'49.37" | 0,78 | 45 | - | - | - | Rabu Kliwon | | 05/10/2005 |
| 2006/ 1427 | 8°27',21” | 0,69 | 38 | - | 22/09/2006 | - | Ahad Wage | | 24/09/2006 |
| 2007/ 1428 | 8° 24',38” | 0,67 | 37 | - | - | - | Kamis Pon | | 13/09/2007 |
| 2008/ 1429 | 5°37,9' | 0,54 | 27 | 02.59 | 31/08/2008 | - | Senin Pahing | | 01/09/2008 |
| 2009/ 1430 | 11°52' | 0,98 | 53 | 17.02.04 | 20/10/2009 | -1° 27'08" | Sabtu Pahing | | 22/08/2009 |
| 2010/ 1431 | 2°45' | 0,38 | 16 | 10.08 | 10/08/2010 | - | Rabu Legi | | 11/08/2010 |
| 2011/ 1432 | 7°06'19" | 0,66 | 34 | 1.40 | 31/07/2011 | - | Senin Legi | | 01/08/2011 |
| 2012/ 1433 | 1°53' | - | - | 11.24 | 19/07/2012 | - | Sabtu Legi | | 21/07/2012 |
| 2013/ 1434 | 00° 50' 57" | - | - | 14.16 | 08/07/2013 | - | Rabu Kliwon | | 10/07/2013 |
| 2014/ 1435 | 11° 24' | 0,88 | 53 | 15.10 | 27/06/2014 | 0°41' | Ahad Wage | | 29/06/2014 |
| 2015/ 1436 | 10° 09' | 0,78 | 48 | 21.07 | 16/06/2015 | -1° | Kamis Pon | 19/05/2015 | |
| 2016/ 1437 | 04° 09' | 0,43 | 23 | 10.01 | 05/06/2016 | - | Senin Pahing | 06/06/2016 | |
| 2017/ 1438 | 08° 37' | - | 41,53 | 2.46.22 | 26/05/2017 | - | Sabtu Pahing | 27/05/2017 | |
| 2018/ 1439 | 12° 21'22” | 0,91 | 23 | 18.49.50 | 15/05/2018 | - | Kamis Pahing | 17/05/2018 | |
| 2019/  1440 | 6° 00' | 0,49 | 30 | 05.47 | 05/05/2019 | - | Senin Legi | 06/05/2019 | |

Syawal

| Tahun M/ H | *Hilāl* | | | *Ijtimā’* | | Tinggi bulan Akhir *Ramaḍān* | Hari | Tanggal |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tinggi | Nurul (inch) | *Mukūṡ* (menit) | Waktu | Tgl |
| 1990/Syawal 1410 | 13,68/100 Dr | 1,245 | 4 | - | - | - | Jum'at Kliwon | 27/04/1990 |
| 1991/ 1411 | 9,53/100 Dr | 0,65 | 21 | - | - | - | Selasa Wage | 16/03/1991 |
| 1992/ 1412 | 10,44/100 Dr | 1,03 | 44 | - | - | - | Ahad Wage | 05/04/1992 |
| 1993/ 1413 | 8,55/100 Dr | 0,89 | 35 | - | - | - | Kamis Pon | 25/03/1993 |
| 1994/ 1414 | 9,00/100 Dr | 0,895 | 36 | - | - | - | Senin Pahing | 14/03/1994 |
| 1995/ 1415 | 9,35/100 Dr | 0,87 | 38 | - | - | - | Jum'at | 03/03/1995 |
| 1996/ 1416 | 4,21/100 Dr | 0,49 | 17 | - | - | - | Selasa Kliwon | 20/02/1996 |
| 1997/ 1417 | 9,61/100 Dr | 0,8 | 39 | - | - | - | Ahad Kliwon | 09/02/1997 |
| 1998/ 1418 | 14,46/100 Dr | 1,09 | 59 | - | - | - | Jumat Kliwon | 30/01/1998 |
| 1999/ 1419 | 8,65/100 Dr | 0,65 | 36 | - | - | - | Selasa Wage | 19/01/1999 |
| 2000/ 1920 | 6,08dr | 0,59 | - | - | - | - | Sabtu Pon | 08/01/2000 |
| 2000/ 1421 | 7,9 dr | 3,07 | 34 | - | - | - | Rabu Pahing | 27/12/2000 |
| 2001/ 1422 | 7,07 dr | 0,47 | 31 | - | - | - | Ahad Legi | 16-Des-01 |
| 2002/ 1423 | 14° | 1,02 | 67 | - | 05/12/2002 | -1° | Jumat Legi | 06/12/2002 |
| 2003/ 1424 | 5°35'52,49" | 0,47 | 29 | - | - | - | Selasa Kliwon | 25/11/2003 |
| 2004/ 1425 | 13°27' | 1,04 | - | - | - | - | Ahad Kliwon | 14/11/2004 |
| 2005/ 1426 | 2°51'22.18" | 0,36 | 17 | - | - | - | Kamis Wage | 03/11/2005 |
| 2006/ 1427 | 11°8',17 | 0,94 | 52 | - | 22/10/2006 | -1° | Selasa Wage | 24/10/2006 |
| 2007/ 1428 | 11°56',67 | 0,90 | 53 | 12.02 | 11/10/2007 | 0°37'82 | Sabtu Pon | 13/10/2007 |
| 2008/ 1429 | 9°56,67' | 0,92 | 45 | 15.13 | 29/09/2008 | -5 °12' | Rabu Pahing | 01/10/2008 |
| 2009/ 1430 | 5°58',32” | 0,56 | 29 | 1.44.31 | 19/09/2009 | - | Ahad Legi | 20/09/2009 |
| 2010/ 1431 | 13°09'02" | 0,97 | 58 | 17.03 | 08/09/2010 | -2° 30' | Jumat Legi | 10/09/2010 |
| 2011/ 1432 | 2° 02'11' | 0,44 | 12 | 10.04 | 29/08/2011 | Kurang 2° | Rabu Legi | 31/08/2011 |
| 2012/ 1433 | dibawah ufuk | - | - | 22.54 | 17/08/2012 | - | Ahad Kliwon | 19/08/2012 |
| 2013/ 1434 | 04° 04'26" | 0,31 | 20 | 4.51 | 07/08/2013 | - | Kamis Wage | 08/08/2013 |
| 2014/ 1436 | 3° 46' | 0,48 | 20 | 05.43 | 27/07/2014 | - | Senin Pon | 28/07/2014 |
| 2015/ 1436 | 3° 08' | 0,42 | 18 | 08.26 | 16/07/2015 | - | Jumat Pahing | 17/07/2015 |
| 2016/ 1437 | 11° 35' | 0,88 | 54 | 18.03 | 04/07/2016 | - | Rabu Pahing | 06/06/2016 |
| 2017/ 1438 | 3° 58' | - | - | 09.33 | 24/06/2017 | - | Ahad Legi | 25/06/2017 |
| 2018/ 1439 | 7° 43'02” | 0,61 | 39 | 2.45.04 | 14/06/2018 | - | Jumat  Legi | 15/06/2018 |
| 2019/1440 | 11° 57' | 0,89 | 57 | 17.03 | 03/06/2019 | - | Rabu  Legi | 05/06/2019 |

DZULHIJJAH

| Tahun M/ H | *Hilāl* | | | *Ijtimā’* | | Tinggi *hilāl* Akhir *Żulqo’dah* | Hari | Tanggal |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tinggi | Nurul (inch) | *Mukūṡ* (menit) | Waktu | Tgl |
| 1990/ 1410 | 8,66/100 Dr | 0,62 | 39 | - | - | - | Ahad Pon | 24/06/1990 |
| 1991/ 1411 | 12,75/100 Dr | 0,89 | 57 | - | - | - | Jum'at Pon | 14/06/1991 |
| 1992/ 1412 | 3,05/100 Dr | 0,26 | 13 | - | - | - | Selasa Pahing | 02/06/1992 |
| 1993/ 1413 | 9,41/100 Dr | 0,67 | 41 | - | - | - | Ahad Pahing | 23/05/1993 |
| 1994/ 1414 | 7,36/100 Dr | 0,52 | 32 | - | - | - | Kamis Legi | 12/05/1994 |
| 1995/ 1415 | 7,49/100 Dr | 0,52 | 31 | - | - | - | Senin Kliwon | 01/05/1995 |
| 1996/ 1416 | 6,19/100 Dr | 0,49 | 29 | - | - | - | Jumat Wage | 19/04/1996 |
| 1997/ 1417 | 13,06/100 Dr | 0,90 | 53 | - | - | - | Rabu Wage | 09/04/1997 |
| 1998/ 1418 | 5,27/100 Dr | 0,34 | 21 | - | - | - | Ahad Pon | 29/03/1998 |
| 1999/ 1419 | 9,66/100 Dr | 0,65 | 22 | - | - | - | Jumat Pon | 19/03/1999 |
| 2000/ 1420 | 4,11dr | 0,30 | 16 | - | - | - | Selasa Pahing | 07/03/2000 |
| 2001/ 1421 | 2,61 dr | 0,28 | 12 | - | - | - | Sabtu Legi | 24/02/2001 |
| 2002/ 1422 | 2°28' | 0,31 | 14 | - | - | - | Rabu Kliwon | 13/02/2002 |
| 2003/ 1423 | 11,81 drjt | 0,86 | 54 | - | - | - | Senin Kliwon | 03/02/2003 |
| 2004/ 1424 | 7°57' | 0,63 | - | - | - | - | Jumat Wage | 23/01/2004 |
| 2005/ 1425 | 13,27° | 0,97 | 64 | - | - | - | Rabu Wage | 12/01/2005 |
| 2005/ 1426 | 4°08',2 | 0,44 | 24 | - | - | - | Ahad Pon | 01/01/2006 |
| 2006/ 1427 | 8°53',75 | 0,78 | 46 | - | - | - | Jumat Pon | 22/12/2006 |
| 2007/ 1428 | 7°9',93 | 0,61 | 37 | - | - | - | Selasa Pahing | 11/12/2007 |
| 2008/ 1429 | 6°48,87' | 0,62 | 35 | 23.56 | 27/11/2008 | -4.22° | Sabtu Legi | 29/11/2008 |
| 2009/ 1430 | 6°03,62' | 0,58 | 32 | 2.14 | 17/11/2009 | - | Rabu Kliwon | 18/11/2009 |
| 2010/ 1431 | 14°22,67' | 1,11 | 68 | 11.52 | 06/11/2010 | -0°1,6' | Senin Kliwon | 08/11/2010 |
| 2011/ 1432 | 6° 36' 07" | 0,61 | 33 | 02.57 | 27/10/2011 | - | Jumat Wage | 28/10/2011 |
| 2012/ 1433 | di bawah ufuk | - | - | 19.02 | 15/10/2012 | - | Rabu Wage | 17/10/2012 |
| 2013/ 1434 | 2° 50' 38" | 0,32 | 15 | 7.34 | 05/10/2013 | - | Ahad Pon | 06/10/2013 |
| 2014/ 1435 | 11° 26' | 0,88 | 50 | 13.13 | 24/09/2014 | 0° 44' | Jumat Pon | 26/09/2014 |
| 2015/ 1436 | 10° 56' | 0,83 | 48 | 13.42 | 13/9/2015 | 0° 06' | Selasa  Pahing | 15/09/2015 |
| 2016/ 1437 | 10° 57' | 0,82 | 49 | 16.05 | 01/09/2016 | - | Sabtu Legi | 03/09/2016 |
| 2017/ 1438 | 10° 93' | - | 36 | 1.31 | 22/08/2017 | - | Rabu Kliwon | 23/08/2017 |
| 2018/ 1439 | 13° 25'37” | 0,98 | 60 | 16.59 | 11/08/2018 | - | Senin  Kliwon | 13/08/2018 |
| 2019/  1440 | 3° 15' | 0,33 | 19 | 10.13 | 01/08/2019 |  | Jum’at Wage | 02/08/2019 |

Tabel 14: Bulan *Ramaḍān*

| Tahun | Versi | *Hilāl* 1 *Ramaḍān* | | | *Ijtimā’* 29 *Sya’ban* | | Hari | | Tanggal |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tinggi | Mukūṡ  (menit) | Azimuth | Tgl | Waktu |
| 1990/ 1410 | AMK | 5°12’ | 21 | 280°49’ 10” | - | - | Rabu Kliwon | 28/03/1990 | |
| Ephe | 3° 27' 0.017'' | 14 | 280° 34’ 0.051” | - | - | Rabu Kliwon | 28/03/1990 | |
| Ket | Slsh | 1° 44' 59.98'' | 7 | 0° 15’ 9,95” | - | - | Sama | Sama | |
| 1994/  1414 | AMK | 6°39’6” | 27 | 264°49’10” | - | - | Sabtu Pahing | 12/02/1994 | |
| Ephe | 4°50’ 0.058” | 19 | 264° 37’ 0.045” | - | - | Sabtu Pahing | 12/02/1994 | |
| Ket | Slsh | 1° 49' 5.94'' | 8 | 0° 12’ 9,96” | - | - | Sama | Sama | |
| 1999/ 1420 | AMK | 5°28’8” | 23 | 250° 50’ 0” | - | - | Kamis Pon | 09/12/1999 | |
| Ephe | 3° 40' 0.019'' | 15 | 250° 35’ 0.030” | - | - | Kamis Pon | 09/12/1999 | |
| Ket. | Slsh | 1° 48' 7.79'' | 8 | 0° 14’ 59.97” | - | - | Sama | Sama | |
| 2004/ 1425 | AMK | 3°7' | - | 261° 6’ 0” | - | - | Jumat Kliwon | 15/10/2004 | |
| Ephe | 2°27' 0.008” | 10 | 260° 54’ 0.042” | - | - | Jumat Kliwon | 15/10/2004 | |
| Ket | Slsh | 0° 39' 59.99'' | - | 0° 11’ 59.96” | - | - | Sama | Sama | |
| 2009/ 1430 | AMK | 11°52' | 53 | 275° 25’ 0” | 20/08/ 2009 | 17.02.04 | Sabtu Pahing | 22/8/2009 | |
| Ephe | 11°04 '0.057” | 45 | 274° 54’ 0.021” | 20/08/ 2009 | 17:01:28 | Sabtu Pahing | 22/8/2009 | |
| Ket | Slsh | 0° 47' 59.94'' | 8 | 0° 30’ 59,98” | Sama | 0:1:24 | Sama | Sama | |
| 2014/ 1435 | AMK | 11° 24' | 53 | 289° 22’ 12” | 27/06/ 2014 | 15.10 | Ahad Wage | 29/6/2014 | |
| Ephe | 10° 46' 0.020” | 44 | 288° 33’ 0.033” | 27/06/ 2014 | 15:08:31 | Ahad Wage | 29/6/2014 | |
| Ket | Slsh | 0° 37' 59.98'' | 9 | 0° 49’ 11,97” | Sama | 0:2:31 | Sama | Sama | |
| 2019/ 1440 | AMK | 6° 00' | 30 | 284° 51’ 00” | 05/05/ 2019 | 05:47 | Senin  Legi | 06/05/2019 | |
| Ephe | 5° 47' 37,73” | 24 | 284° 39’ 19,75” | 05/05/ 2019 | 05:48:25 | Senin  Legi | 06/05/2019 | |
| Ket | Slsh | 0° 12' 22,27'' | 6 | 0° 11’ 40,25” | Sama | - | Sama | Sama | |

Ket Azimuth hilal AMK 14,85 = 14° 51’ 00” +270 =284° 51’ 00”

Cara: 14,85= 85x0,6 = 51’ 00”

Tabel 18 : Bulan *Syawāl*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tahun | Versi | *Hilāl* 1 *Syawāl* | | | *Ijtimā’* 29 *Ramaḍān* | | Hari | Tanggal |
| Tinggi | Mukūṡ (menit) | Az | Tgl | Waktu |
| 1990/ 1410 | AMK | 13°40’8” | 4 | 296° 21’ 40” | - | - | Jum'at Kliwon | 27/04/1990 |
| Ephe | 11°54’0.014” | 48 | 295° 00’ 0.027” | - | - | Jum'at Kliwon | 27/04/1990 |
| Ket | Slsh | 1° 46' 7.99'' | 44 | 1° 21’ 39.97” | - | - | Sama | Sama |
| 1994/  1414 | AMK | 9° | 36 | 277° 1’ 40” | - | - | Senin Pahing | 14/03/1994 |
| Ephe | 7°14’ 0.016” | 29 | 276° 51’ 0.008” | - | - | Senin Pahing | 14/03/1994 |
| Ket | Slsh | 1° 45' 59.98'' | 7 | 0° 10’ 39.99” | - | - | Sama | Sama |
| 1999/ 1419 | AMK | 8° 39’ | 36 | 253° 42’ 30” | - | - | Selasa Wage | 19/01/1999 |
| Ephe | 6°48’0.023” | 27 | 253° 33’ 0.052” | - | - | Selasa Wage | 19/01/1999 |
| Ket | Slsh | 1° 50' 59.98'' | 9 | 0° 9’ 29.95” | - | - | Sama | Sama |
| 2004/ 1425 | AMK | 13°27' | - | 246° 37’ 0” | - | - | Ahad Kliwon | 14/11/2004 |
| Ephe | 9° 8’ 0.033” | 37 | 247° 29’ 0.040” | - | - | Ahad Kliwon | 14/11/2004 |
| Ket | Slsh | 4° 18' 59.97'' | - | 0° 52’ 0.04” | - | - | Sama | Sama |
| 2009/ 1430 | AMK | 5°58',32” | 29 | 263° 50’ 0” | 19-Sep-09 | 1.44.31 | Ahad Legi | 20-Sep-09 |
| Ephe | 5°17' 0.009” | 21 | 264° 10’ 0.007” | 19-Sep-09 | 1:44:19 | Ahad Legi | 20-Sep-09 |
| Ket | Slsh | 0° 41' 31.99'' | 8 | 0° 20’ 0.01” | Sama | 0:0:12 | Sama | Sama |
| 2014/ 1435 | AMK | 3° 46' | 20 | 283° 54’ 0” | 27-Jul-14 | 05.43 | Senin Pon | 28-Jul-14 |
| Ephe | 3°9’0.003” | 12 | 283° 40’ 0.012” | 27-Jul-14 | 05:41:50 | Senin Pon | 28-Jul-14 |
| Ket | Slsh | 0° 37' 0'' | 8 | 0° 13’ 59.99” | Sama | 0:2:50 | Sama | Sama |
| 2019/ 1440 | AMK | 11° 57' | 57 | 294° 4’ 12” | 03/06/  2019 | 17:03 | Rabu  Legi | 05/06/2019 |
| Ephe | 11° 34' | 49 | 289° 29’ 51,2” | 03/06/  2019 | 17:04 | Senin  Legi | 06/05/2019 |
| Ket | Slsh | 0° 23' 00'' | 3 | 4° 34’ 20,8” | Sama | 00:01 | Sama | Sama |

Ket Azimuth hilal AMK 24,07= 24° 04’ 12” +270 =294° 4’ 12”

Cara: 14,07= 07x0,6 = 04’ 12”

Tabel 22 : Bulan *Żulhijjah*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tahun | Versi | *Hilāl* | | | *Ijtimā’* | | Hari |  |
| Tinggi | Mukūṡ  (menit) | Az | Tgl | Waktu | Tanggal |
| 1990/ 1410 | AMK | 8° 39’6” | 39 | 297° 9’ 10” | - | - | Ahad Pon | 24/06/1990 |
| Ephe | 6° 53’0.026” | 28 | 296° 18’ 0.044” | - | - | Ahad Pon | 24/06/1990 |
| Ket | Slsh | 1° 46' 6'' | 11 | 0° 51’ 9.96” | - | - | Sama | Sama |
| 1994/ 1414 | AMK | 7° 21’6” | 32 | 290° 44’ 10” | - | - | Kamis Legi | 12/05/1994 |
| Ephe | 5° 43’ 0.005” | 23 | 290° 12’ 0.018” | - | - | Kamis Legi | 12/05/1994 |
| Ket | Slsh | 1° 38' 5.99'' | 9 | 0° 32’ 9.98” | - | - | Sama | Sama |
| 1999/  1419 | AMK | 9° 39’ 6” | 22 | - | - | - | Jumat Pon | 19/03/1999 |
| Ephe | 7° 46’ 0,035” | 32 | 270° 12’ 0.004” | - | - | Jumat Pon | 19/03/1999 |
| Ket | Slsh | 1° 53' 5.97'' | 10 | - | - | - | Sama | Sama |
| 2004/ 1424 | AMK | 7°57' | - | 248° 6’ 0” | - | - | Jumat Wage | 23/01/2004 |
| Ephe | 7° 15’ 0.026 | 29 | 248° 01’ 0.024” | - | - | Jumat Wage | 23/01/2004 |
| Ket | Slsh | 0° 41' 59.97'' | - | 0° 4’ 59.98” | - | - | Sama | Sama |
| 2009/  1430 | AMK | 6°03’62” | 32 | 245° 59’ 0” | 17-Nov-09 | 2.14 | Rabu Kliwon | 18-Nov-09 |
| Ephe | 5° 21’ 0.020” | 21 | 245° 52’ 0.044” | 17-Nov-09 | 02:13:41 | Rabu Kliwon | 18-Nov-09 |
| Ket | Slsh | 0° 43' 1.98'' | 11 | 0° 6’ 59.96” | - | - | Sama | Sama |
| 2014/ 1435 | AMK | 11° 26' | 50 | 264° 53’ 24” | 24-Sep-14 | 13.13 | Jumat Pon | 26-Sep-14 |
| Ephe | 10° 47’ 0.046” | 44 | 264° 51’ 0.030” | 24-Sep-14 | 13:13:50 | Jumat Pon | 26-Sep-14 |
| Ket | Slsh | 0° 38' 59.95'' | 6 | 0° 2’ 23.97” | - | - | Sama | Sama |
| 2019/ 1440 | AMK | 3° 15' | 19 | 289° 51’ 00” | 01/08/  2019 | 10:13 | Jum’at Wage | 02/08/2019 |
| Ephe | 3° 18' 33,43” | 14 | 289° 39’ 45,69” | 01/08/  2019 | 10:14:35 | Senin  Legi | 06/05/2019 |
| Ket | Slsh | 0° 3' 33,43'' | 5 | 0° 11’ 14,31” | Sama | 00:01:35 | Sama | Sama |

Ket Azimuth hilal AMK 19,85= 19° 51’ 00” +270 =289° 51’ 00”

Cara: 19,85= 85x0,6 = 51’ 00”