



San Francisco New York London Mumbai Hong Kong

Seminar & Sosialisasi

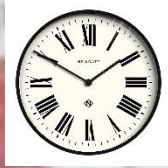
Kalender Hijriyah Global Tunggal



Awal Hari & Garis Tanggal

Awalnya

Waktu di Bumi
Suka-suka



$R = 6371 \text{ km}$
 $1^\circ = 111 \text{ km}$

Bumi berRotasi

satu kali putar 360° dalam 24 jam

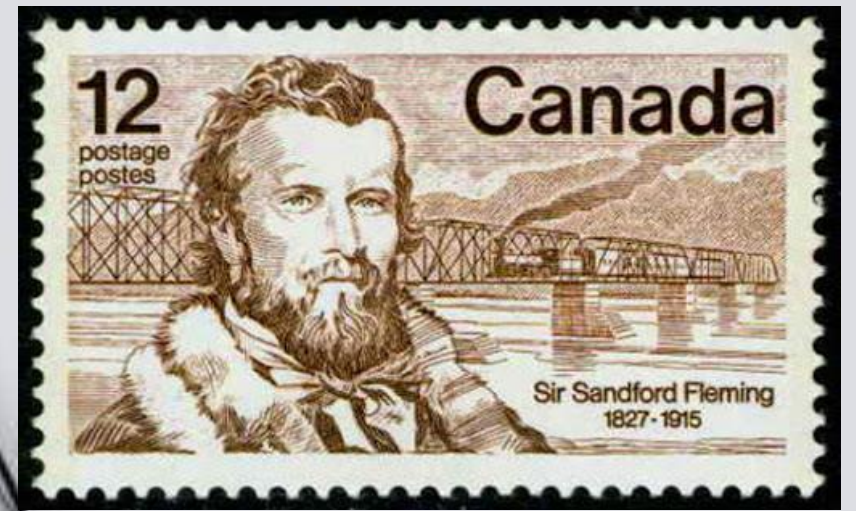
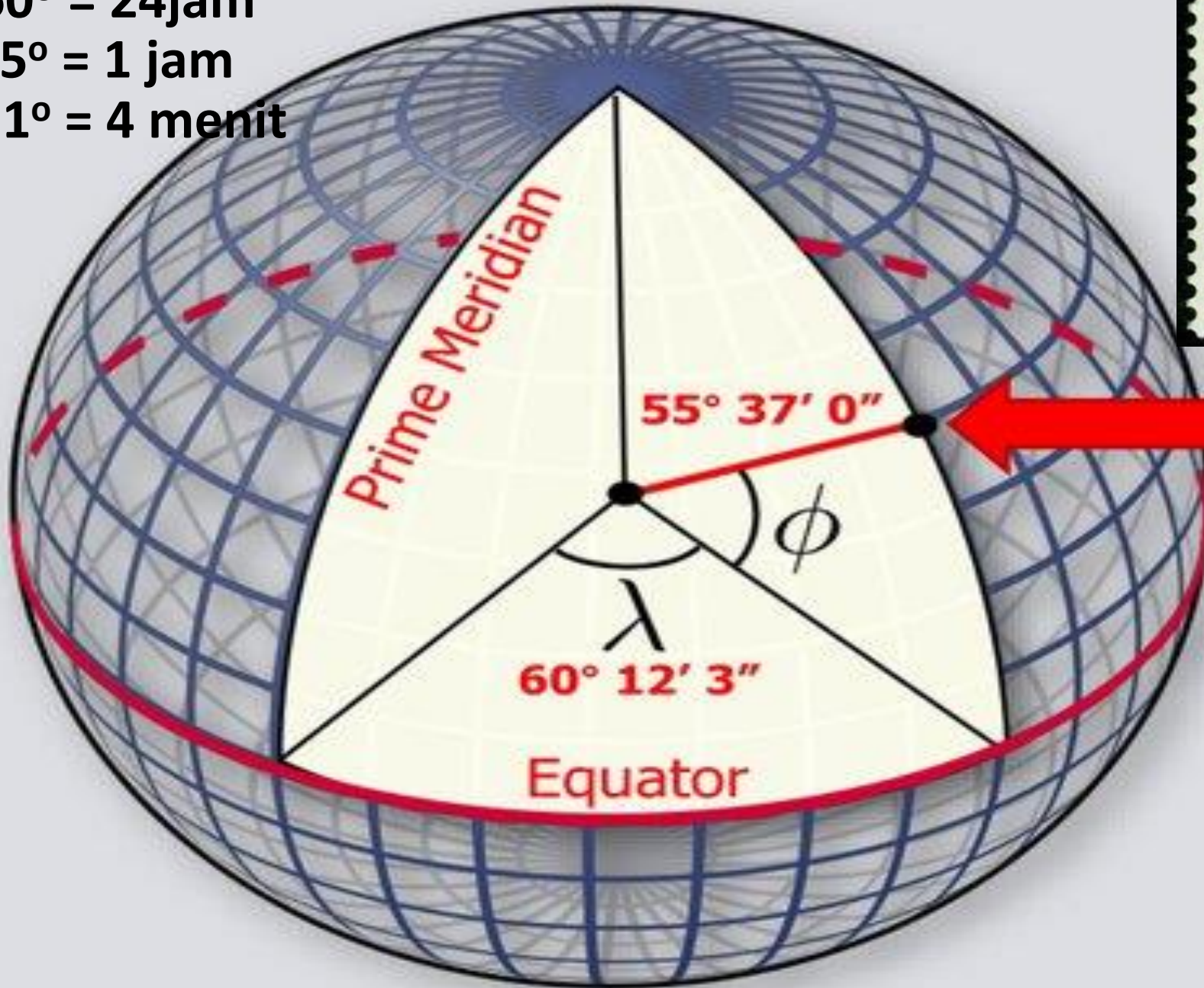
dalam 1 jam bergeser 15°

zona waktu per 15° , ada 24 zona

Tidak !!!

ada 25 zona

$360^\circ = 24\text{jam}$
 $15^\circ = 1\text{ jam}$
 $1^\circ = 4\text{ menit}$



1878, Sir Sandford Fleming

This location on
Earth at:

ϕ = lat =
 $55^\circ 37' 0''$ N,

λ = long =
 $60^\circ 12' 3''$ E

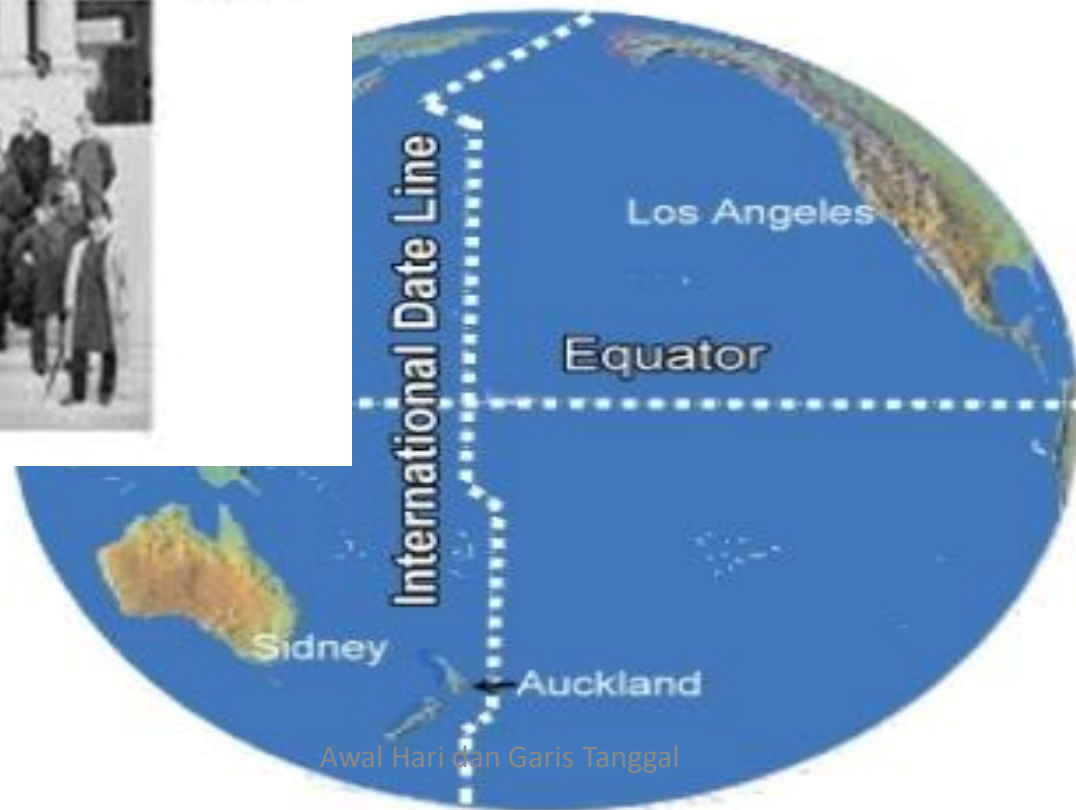
International data line (IDL)

TIME ZONES

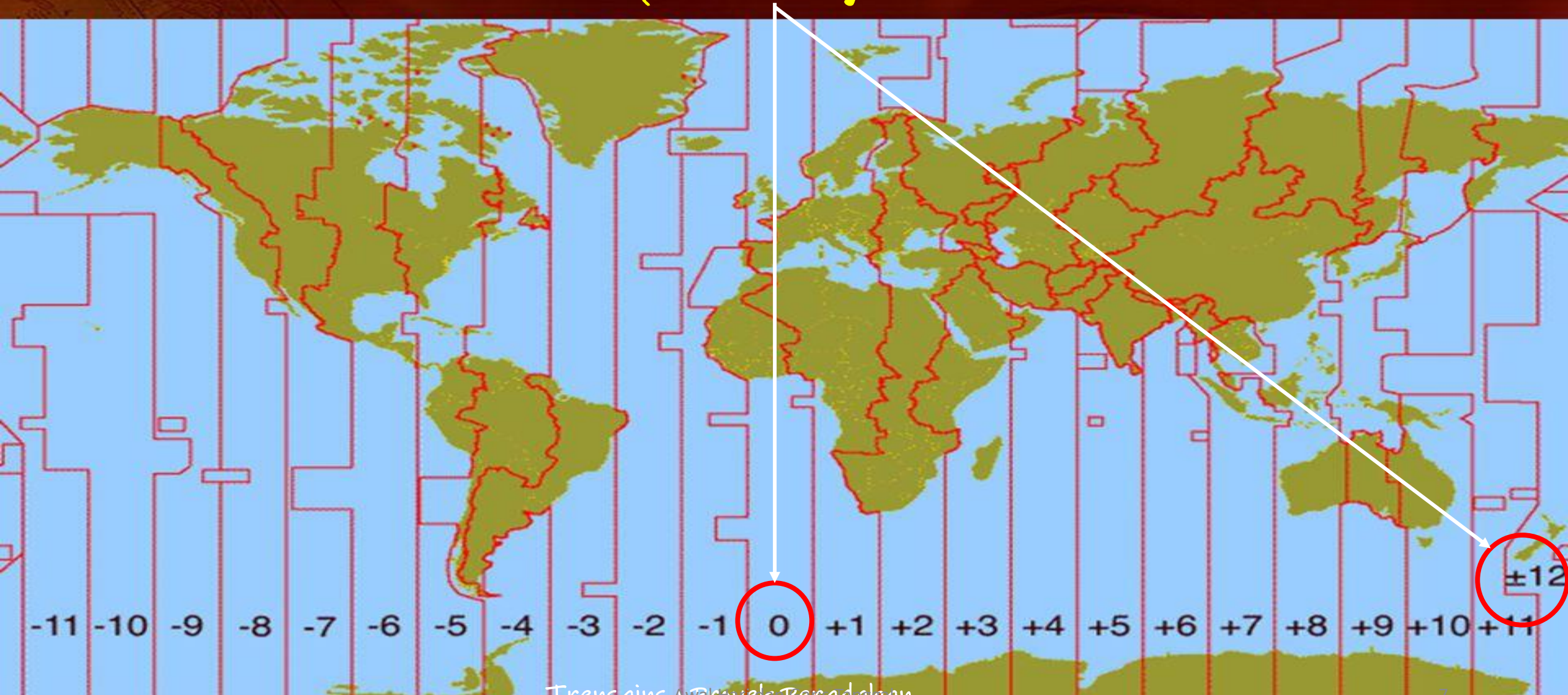
- In October 1884, the International Meridian Conference was held in Washington, D.C., in the United States, to determine a prime meridian for international use to establish the mean time in the world.



line is an imaginary line which runs from the North Pole to the South Pole and is 180° away from the Prime Meridian.

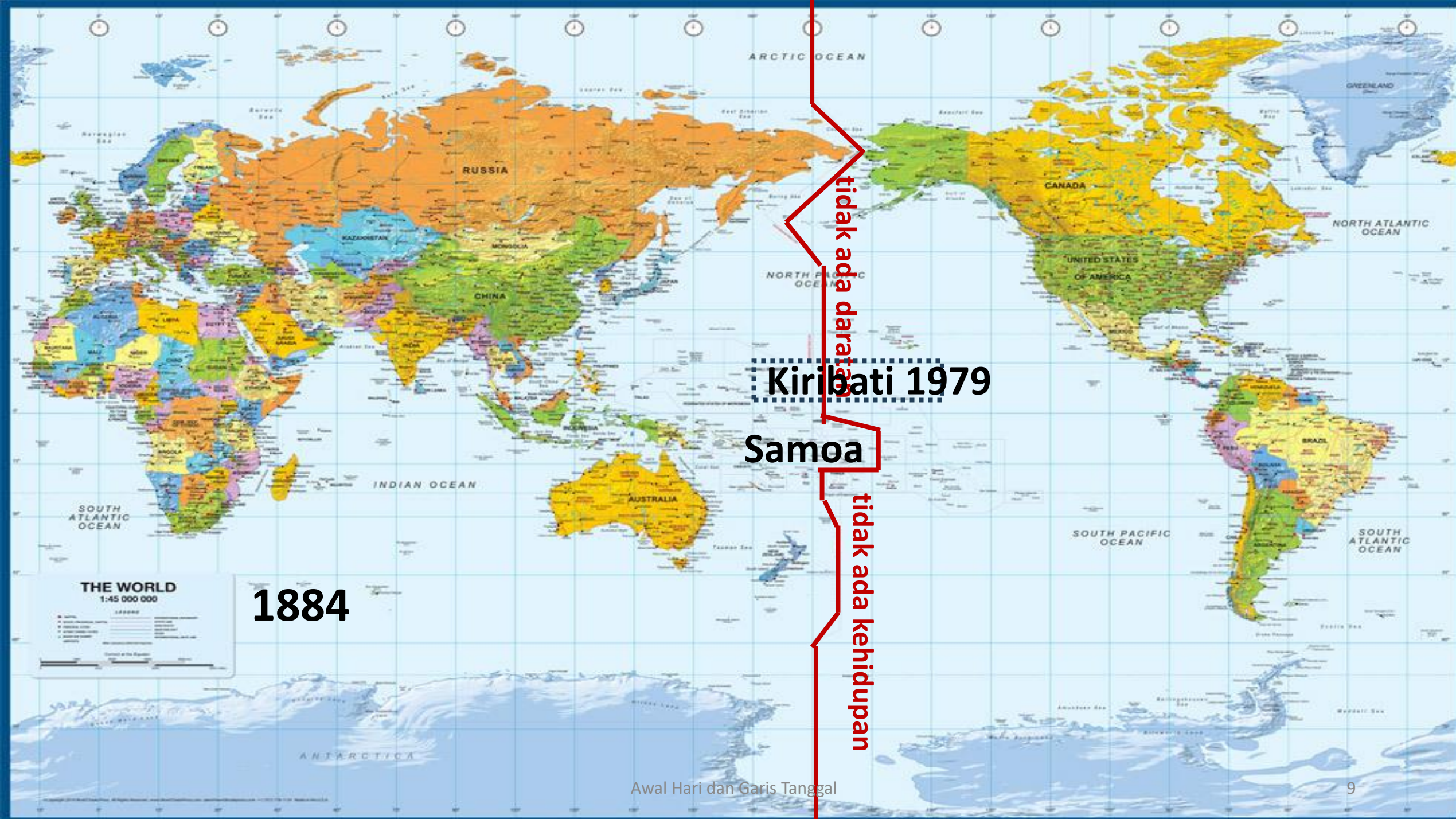


World Time Zones (25 Zones)



Tidak Ideal Lurus





Kiribati 1979

Samoa

tidak ada daratan

tidak ada kehidupan

1884

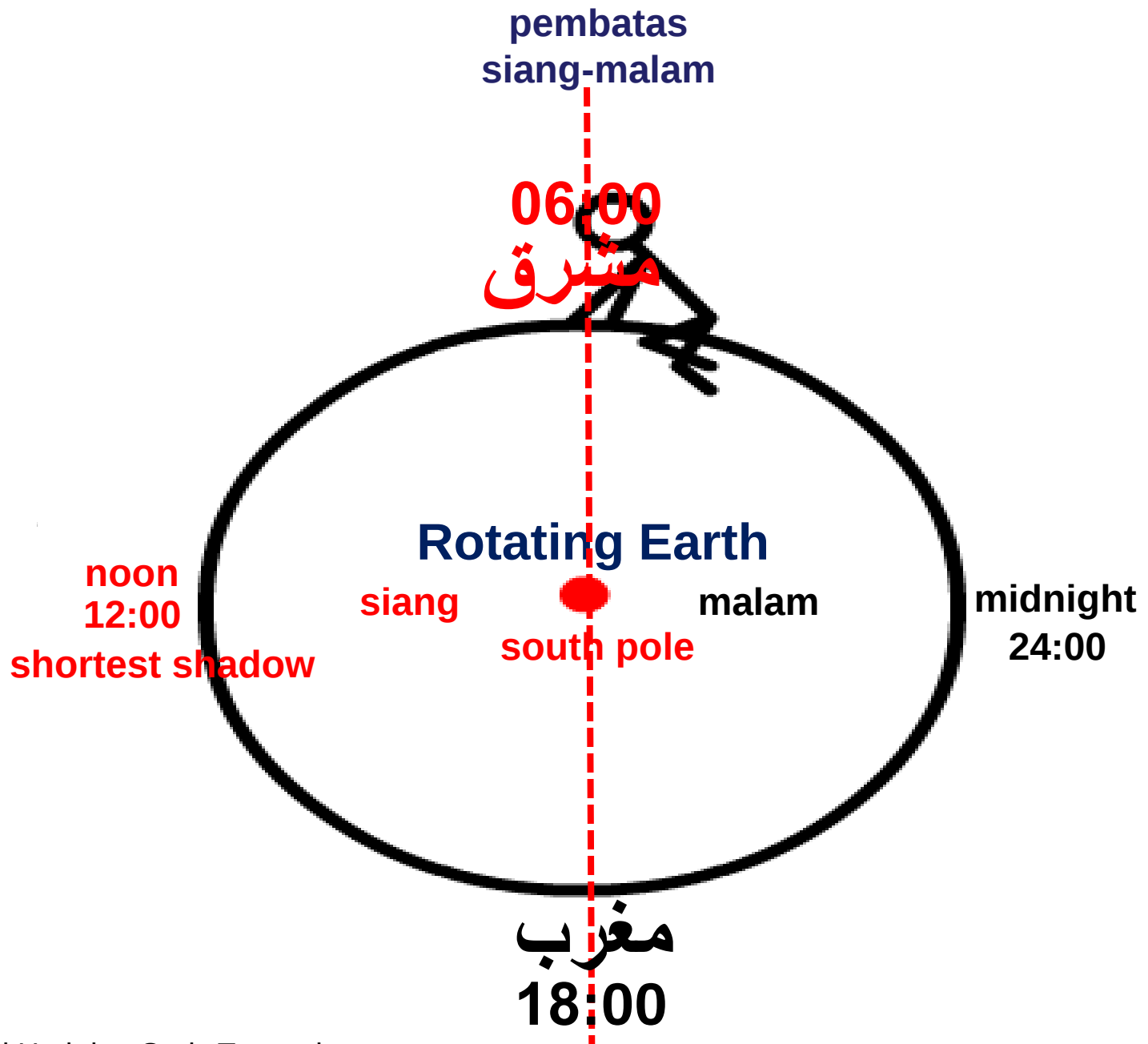
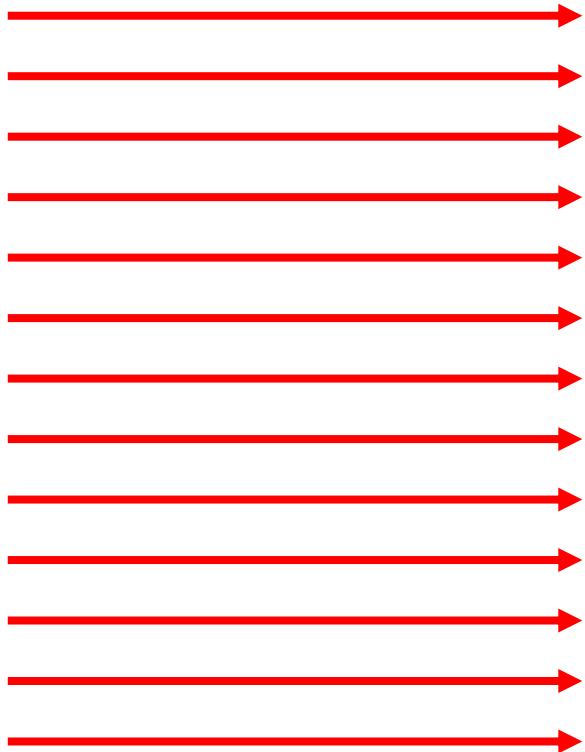
وَاللَّيْلِ إِذَا سَجَىٰ

Hari
dimulai
di sini

Matahari

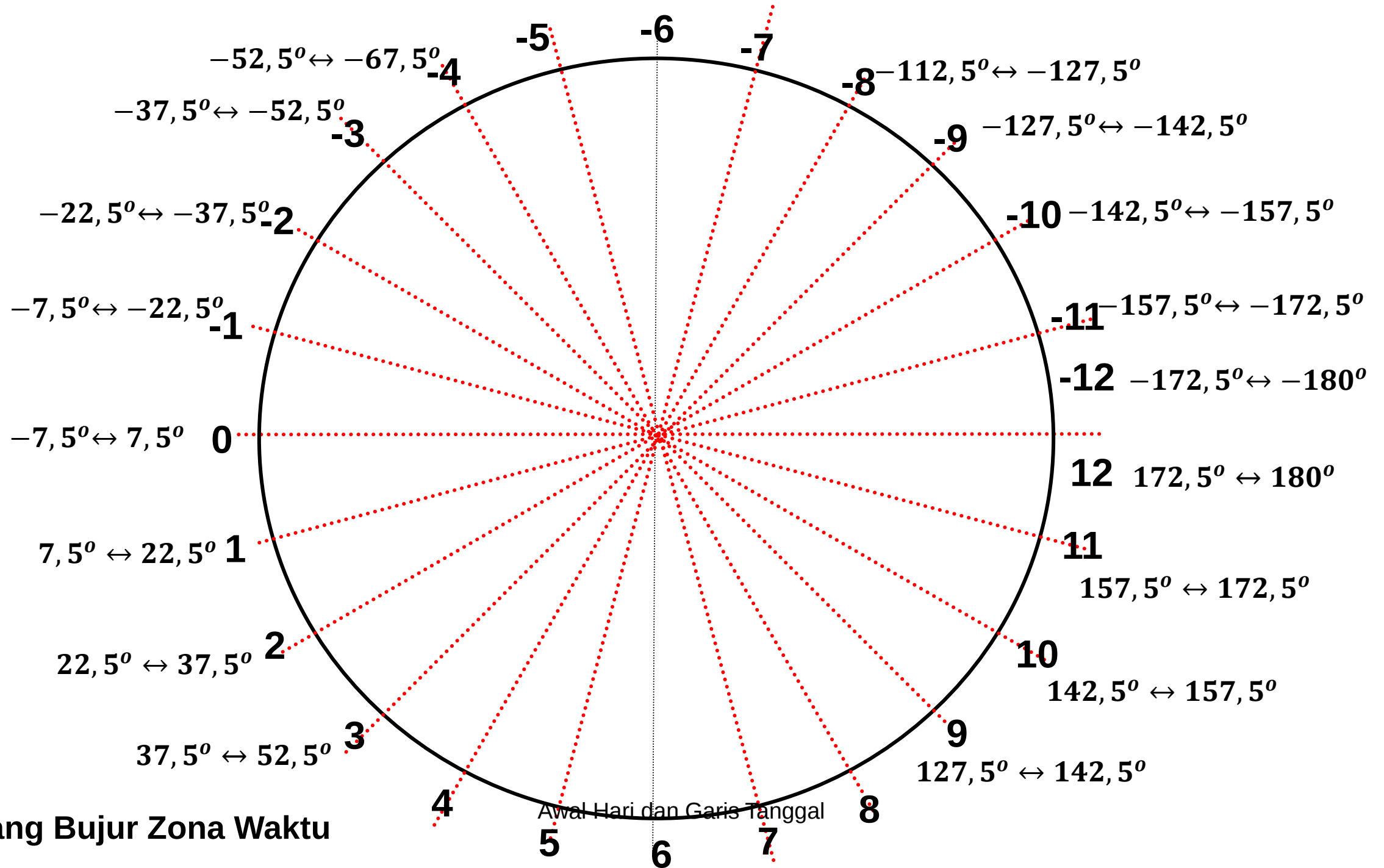


Matahari
Sumber
Cahaya



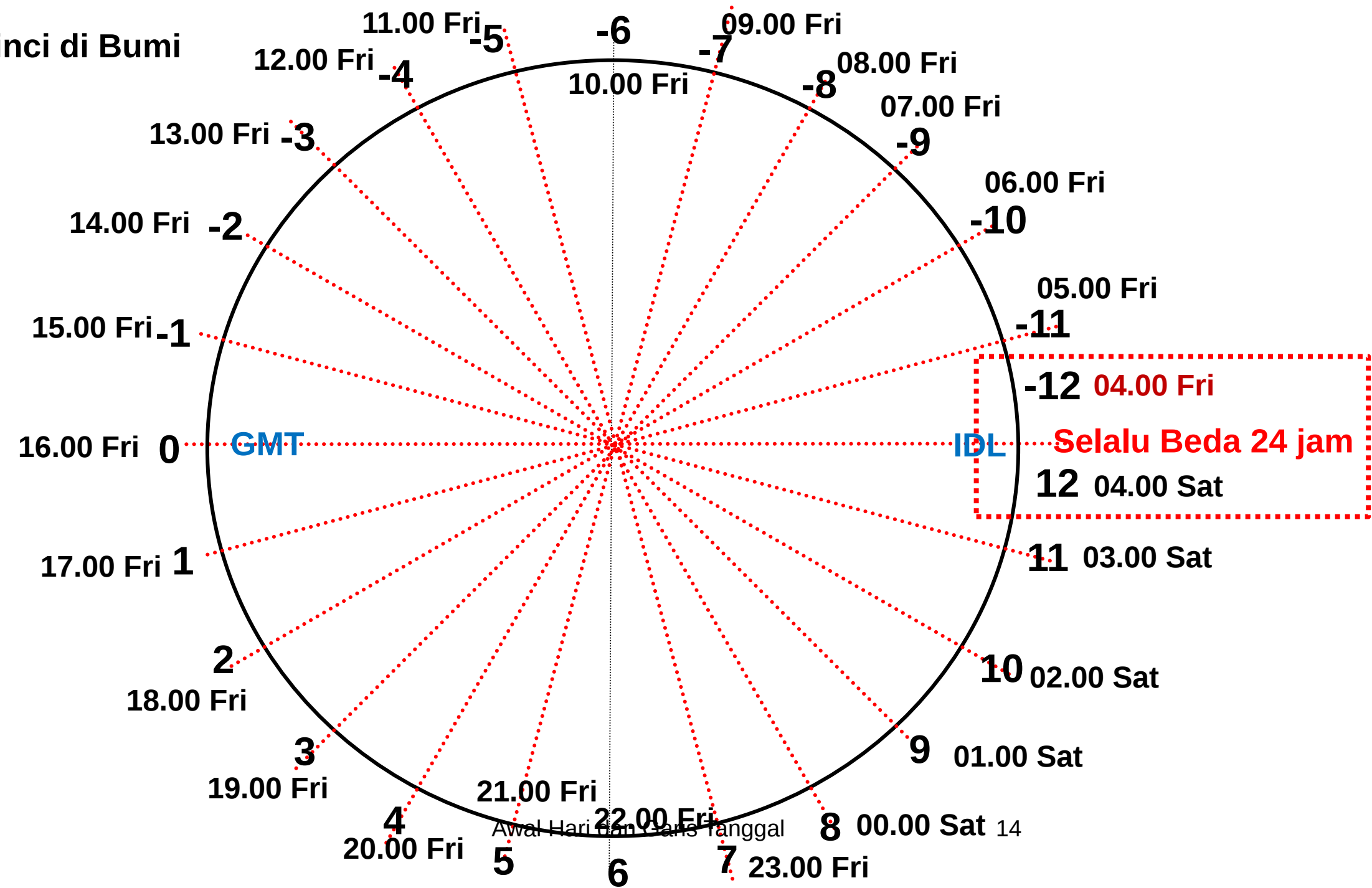
Awal Hari dan Garis Tanggal





Selang Bujur Zona Waktu

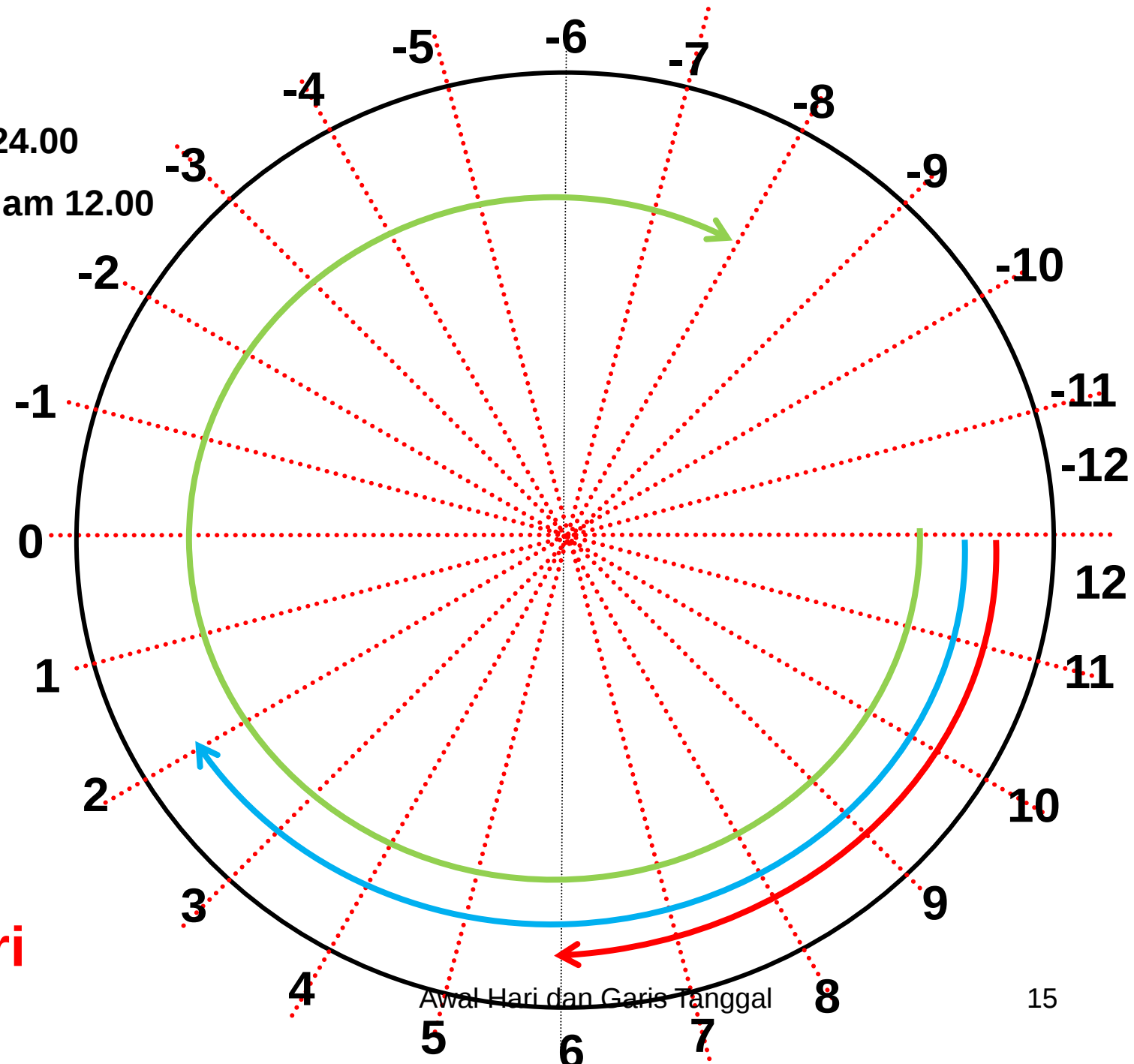
Waktu Rinci di Bumi





Ujung Panah: jam 24.00

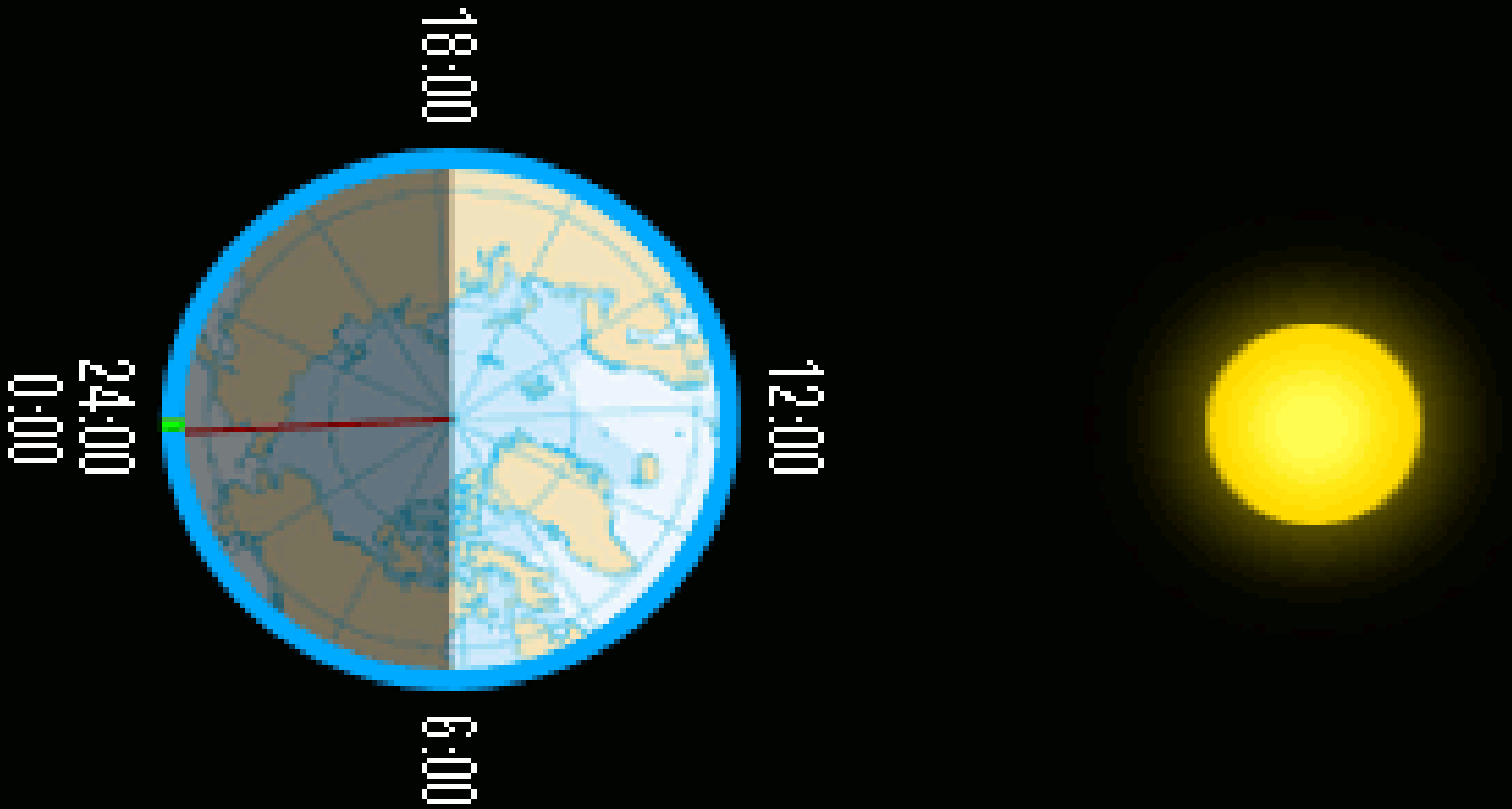
Bagian berlawanan jam 12.00

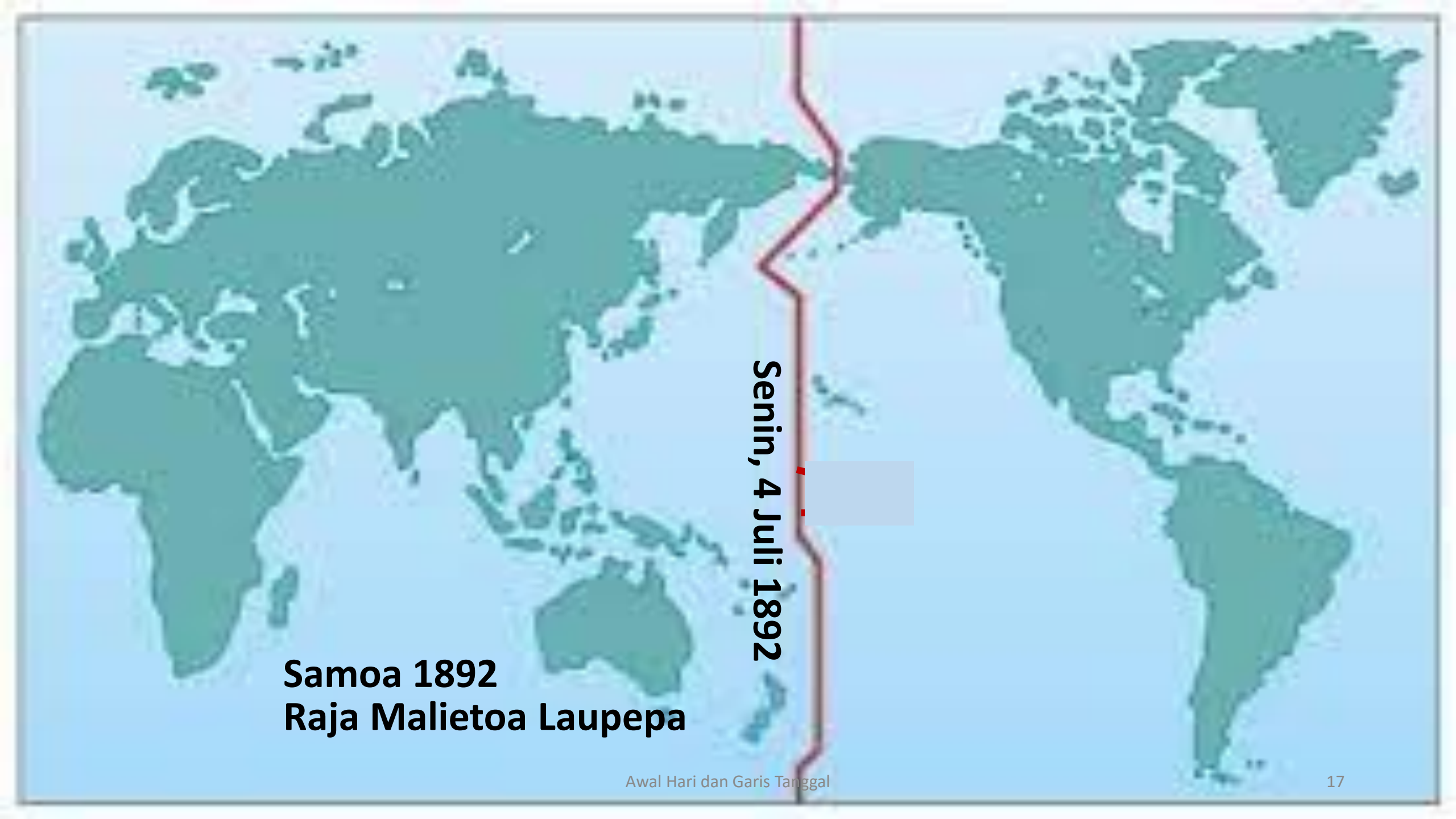


Kamis **selalu**
Awal Hari **selisih**
Jumat **24 jam**

selalu 2 hari

Awal Hari dan Garis Tanggal

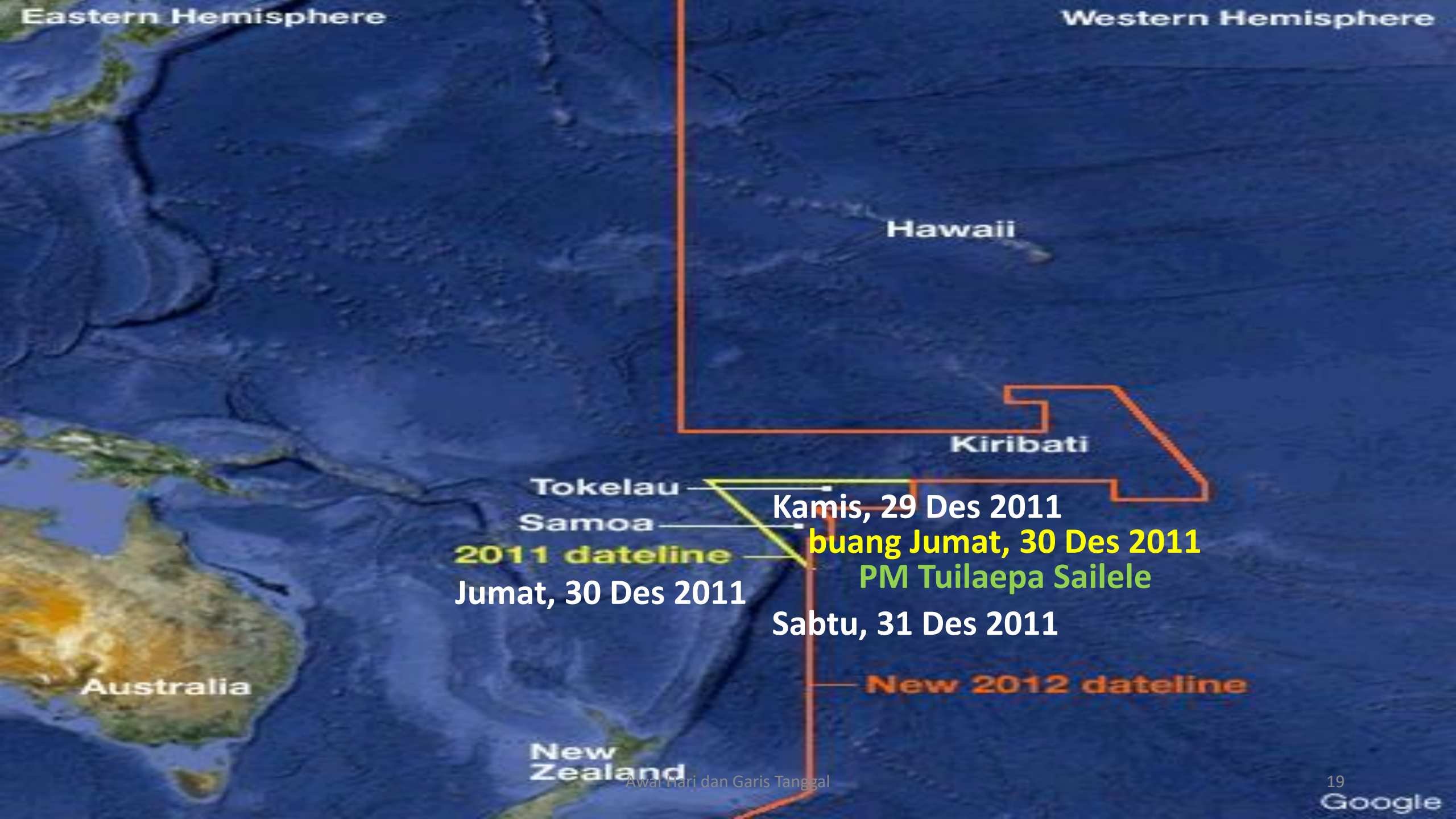


A world map with a light blue background. A red line runs vertically through the center, slightly wavy. A grey rectangular box is positioned on the right side of the map, overlapping the red line. The text "Samoa 1892" and "Raja Malietoa Laupepa" is located in the bottom left corner.

Samoa 1892
Raja Malietoa Laupepa

Senin, 4 Juli 1892





Eastern Hemisphere

Western Hemisphere

Hawaii

Kiribati

Tokelau

Samoa

2011 dateline

Jumat, 30 Des 2011

Kamis, 29 Des 2011

Jumat, 30 Des 2011

PM Tuilaepa Sailele

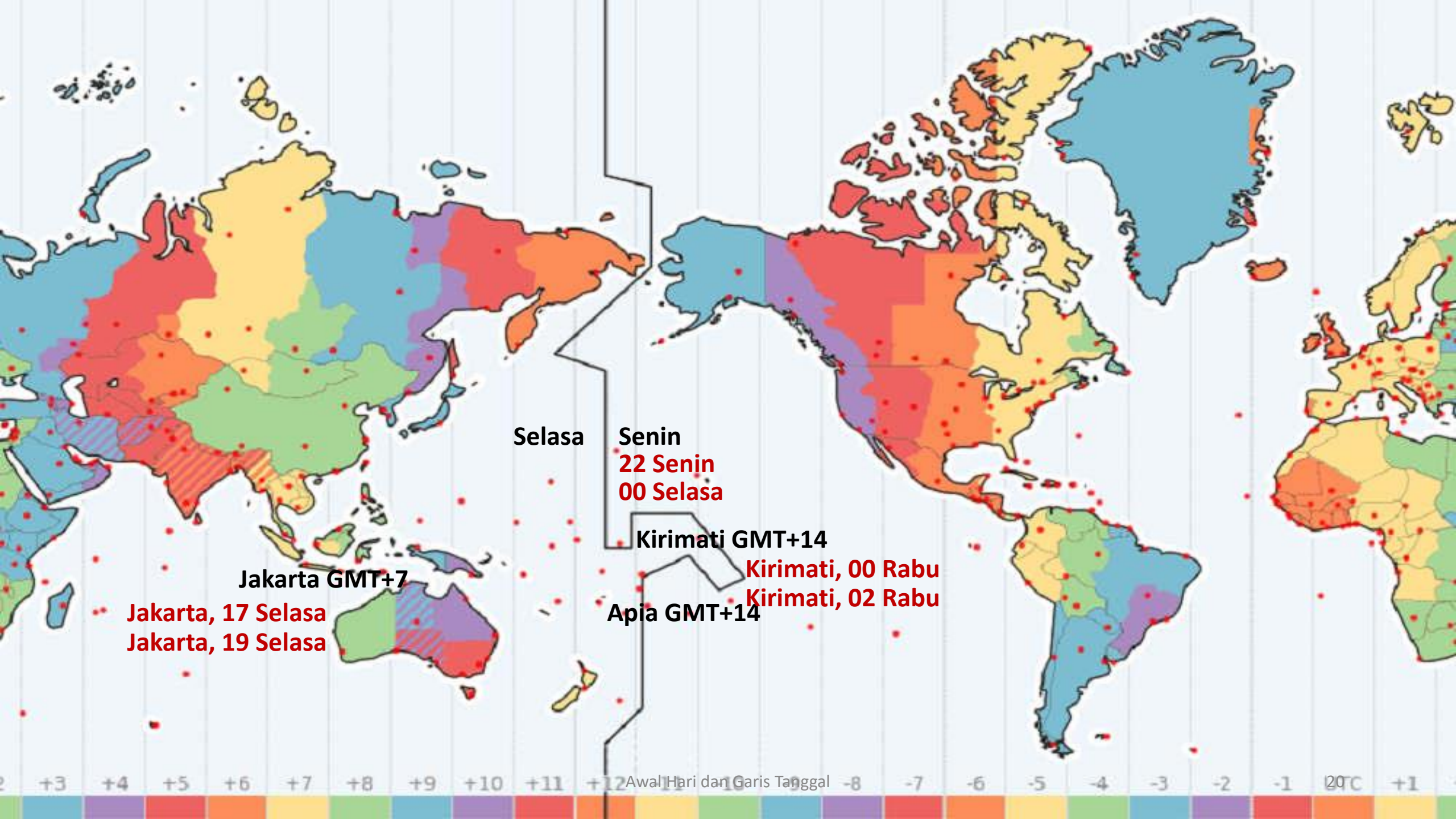
Sabtu, 31 Des 2011

New 2012 dateline

Australia

New Zealand

Awal Hari dan Garis Tanggal



Selasa

Senin

22 Senin

00 Selasa

Kirimati GMT+14

Kirimati, 00 Rabu

Kirimati, 02 Rabu

Apia GMT+14

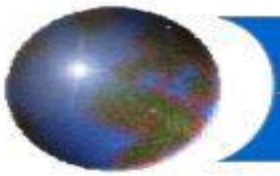
Jakarta GMT+7

Jakarta, 17 Selasa

Jakarta, 19 Selasa

Awal Hari dan Garis Tanggal

120

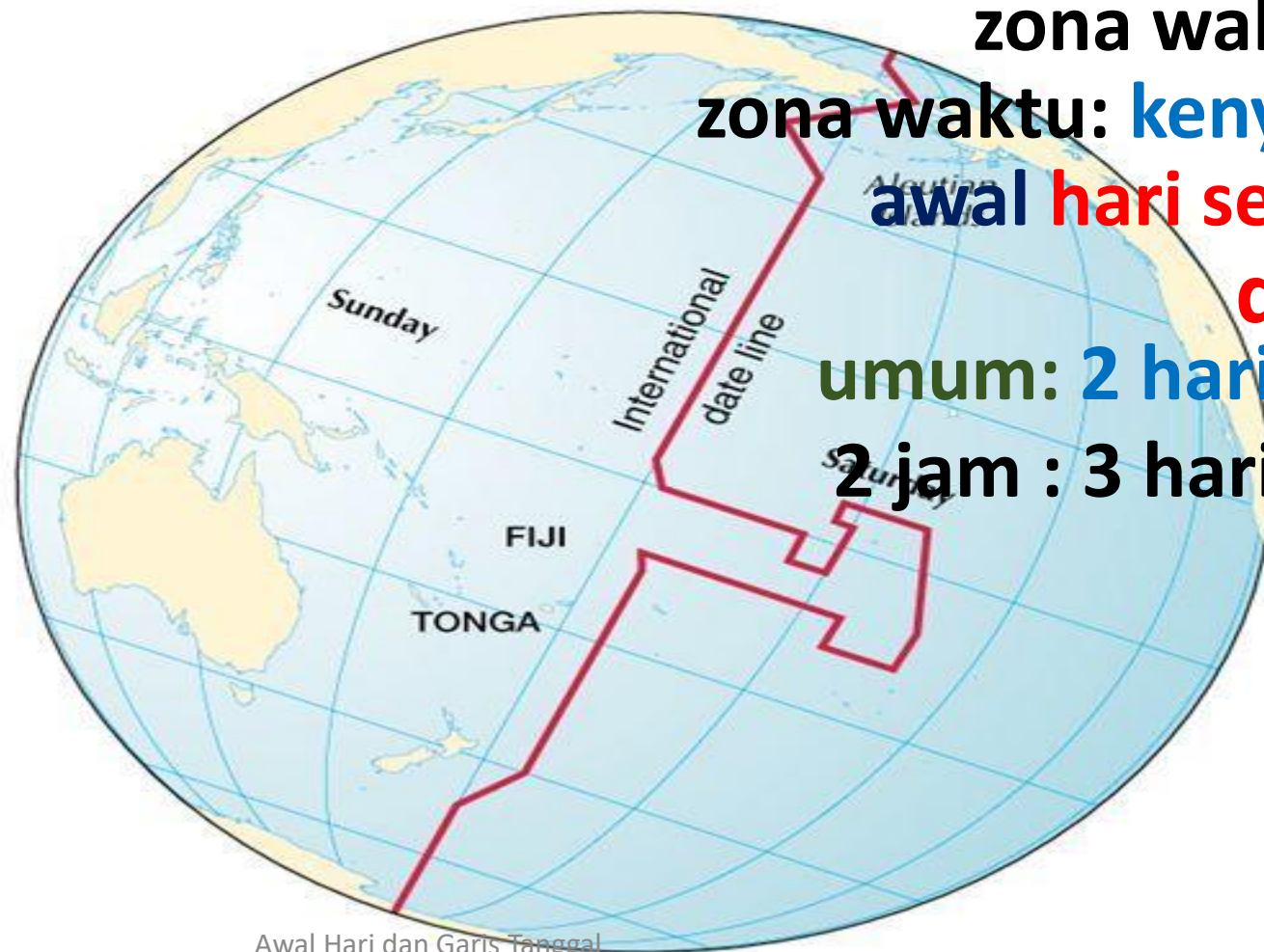


International Date Line

Starts at 180 degrees;
this is also where a
NEW DAY (new DATE)
begins i.e. 12 Midnight.

It is the **OPPOSITE** of
the Prime Meridian
(zero degrees
longitude) in Greenwich
i.e. 12 Noon

There is a difference of
12 hours between the
Prime Meridian (zero
degrees) and the
International Date Line
(180 degrees longitude)



zona waktu: **25+2**

zona waktu: **kenyamanan**

awal hari sembarang

di $\pm 180^\circ$

umum: 2 hari berbeda

2 jam : 3 hari berbeda