

Pengajian Tarjih Muhammadiyah

Daring/Online Setiap Rabu Malam Kamis



Rabu, 4 Zulhijah 1442 H / 14 Juli 2021 M
19.45 wib s.d. selesai

Live Streaming:

>> <https://www.youtube.com/tarjihchannel/live>
>> <https://www.facebook.com/profile.php?id=100011225599365>
>> Zoom Cloud Meeting, Meeting ID: **886 6409 0288**,
Passcode: **ayongaji**

**Refleksi Milad Muhammadiyah Ke-112 H:
Meneguhkan Semangat Tajdid
Muhammadiyah dalam Implementasi
Hisab/Falak dan Iptek**

Prof. H. Agus Purwanto, DSc.

(Anggota Divisi Hisab dan Iptek
Majelis Tarjih dan Tajdid PP Muhammadiyah)

**Host:
Alda Kartika Yudha, Lc., MH.**



**Edisi
#133**

Spesial milad muhammadiyah 112



Majelis Tarjih dan Tajdid PP Muhammadiyah
Pusat Syiar Digital Muhammadiyah
Pusat Tarjih Muhammadiyah



Iman

pahala

NABI

mu'jizat

Taqwa

Surga

Ikhlas

Neraka

Infaq

Kafir

Azab

UMROH

Zakat

Sabar

dosa

TAHAJJUD

Kiamat

Iblis

shadaqah

dhalim

Ghaib

Malaikat

Jihad

akhlak

yatim

Amal Shalih

Shalat

Sains dan Teknologi?

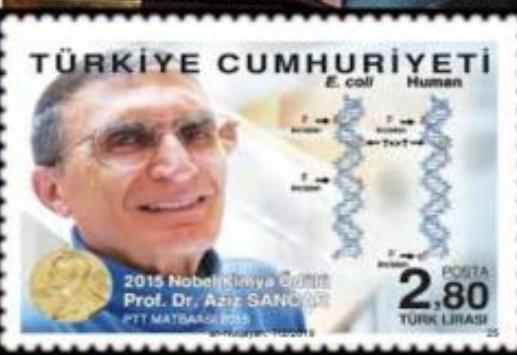
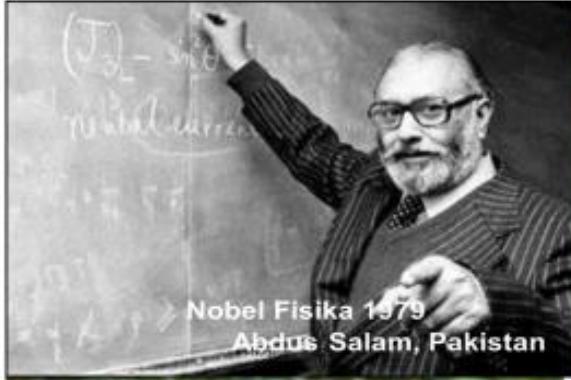


Islam & Science, Moslems backstage as spectators

Riset: Pelajar Negara Religius Buruk dalam Sains dan Matematika

Jordan, Yaman, **Indonesia**, dan Qatar, menempati empat posisi paling bawah dalam perankingan.

Reza Gunadha



Medal Field 2014
Maryam Mirzakhani

The Best University in ASEAN	
1	NANYANG TECHNICAL UNIVERSITY
2	NATIONAL UNIVERSITY OF SINGAPORE
3	UNIVERSITI MALAYA
4	UNIVERSITI PUTRA MARA
5	UNIVERSITI KEBANGSAAN MALAYSIA
6	UNIVERSITI SAINS MALAYSIA
7	UNIVERSITI TEKNOLOGI PETRONAS
8	CHULALONGKORN UNIVERSITY
9	UNIVERSITAS INDONESIA
10	UNIVERSITI BRUNEI DARUSSALAM
11	MAHIDOL UNIVERSITY
12	UNIVERSITAS GADJAH MADA
13	INSTITUT TEKNOLOGI BANDUNG
14	UNIVERSITY OF THE PHILIPPINES
15	UNIVERSITI TEKNOLOGI BRUNEI
16	UCSI UNIVERSITY
17	SINGAPORE MANAGEMENT UNIVERSITY
18	UNIVERSITI TEKNOLOGI PETRONAS

Performa Pelajar Indonesia Dalam Sains & Membaca Masih Relatif Rendah

Programme for International Student Assessment Score (PISA) 2018



PISA SCORE INDONESIA 2000-2018

sumber : OECD

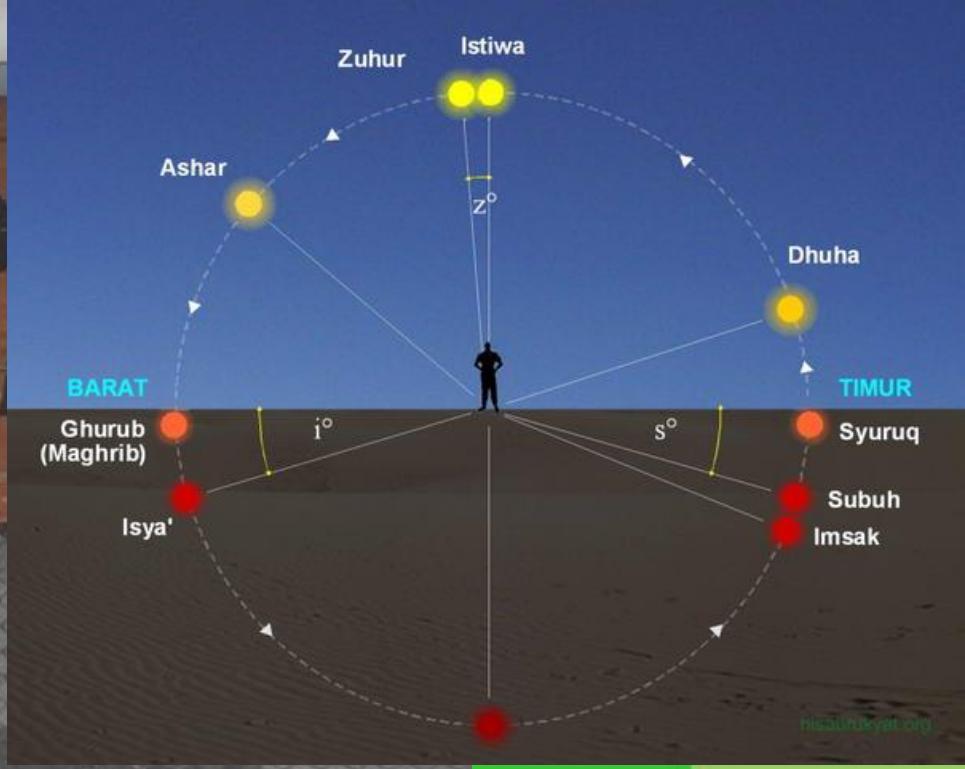
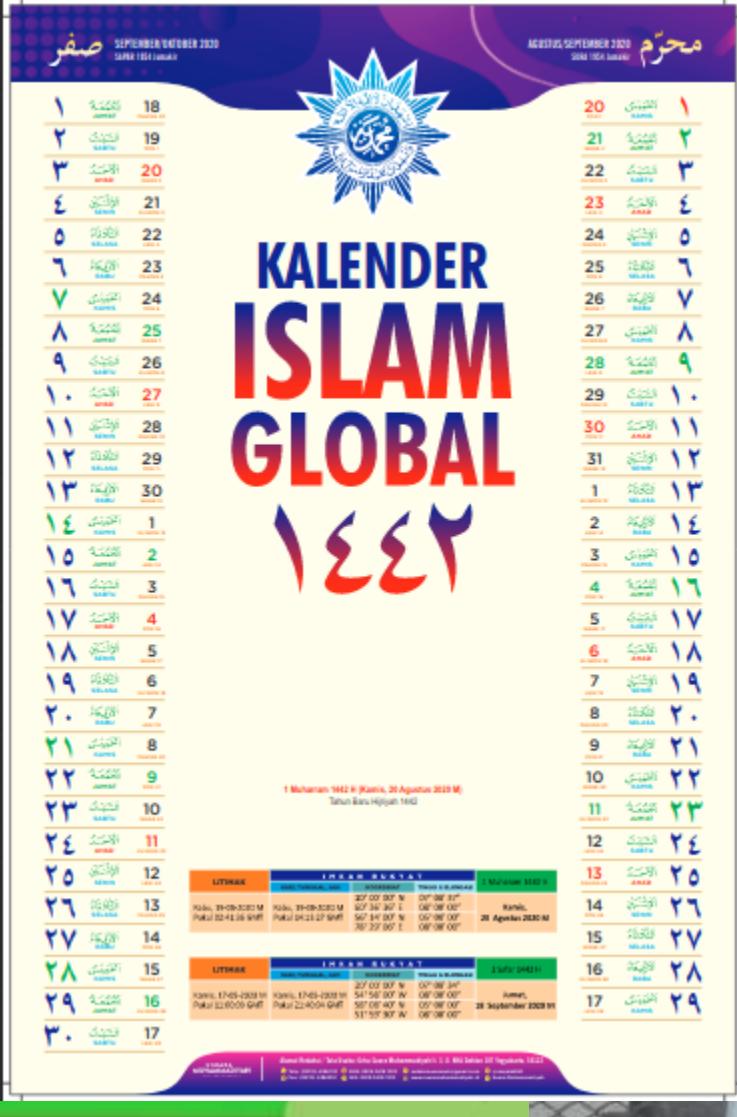
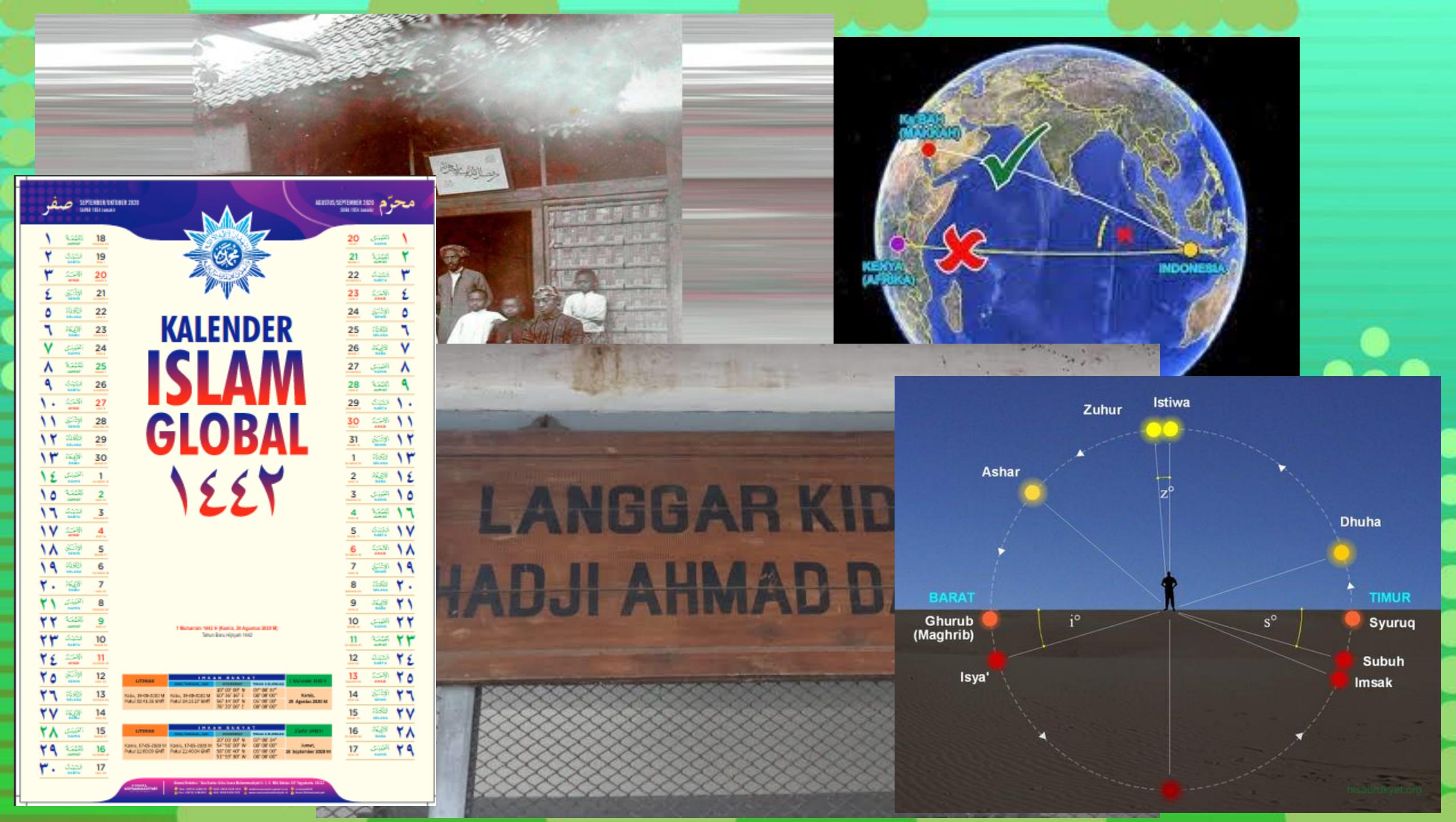


Penjualan Motor 2005-2019	Total :
2008 : 6.215.865	Yamaha
2009 : 5.851.963	Suzuki
2010 : 7.368.616	Kawasaki
2011 : 8.028.267	TVS
2012 : 7.137.663	
2013 : 7.743.879	
2014 : 7.867.195	
2015 : 6.480.155	
2016 : 5.931.285	
2017 : 5.886.103	
2018 : 6.383.111	
2019 : 6.487.430	

sinovac
astrazeneca
pfizer
moderna
gamaleya
dll

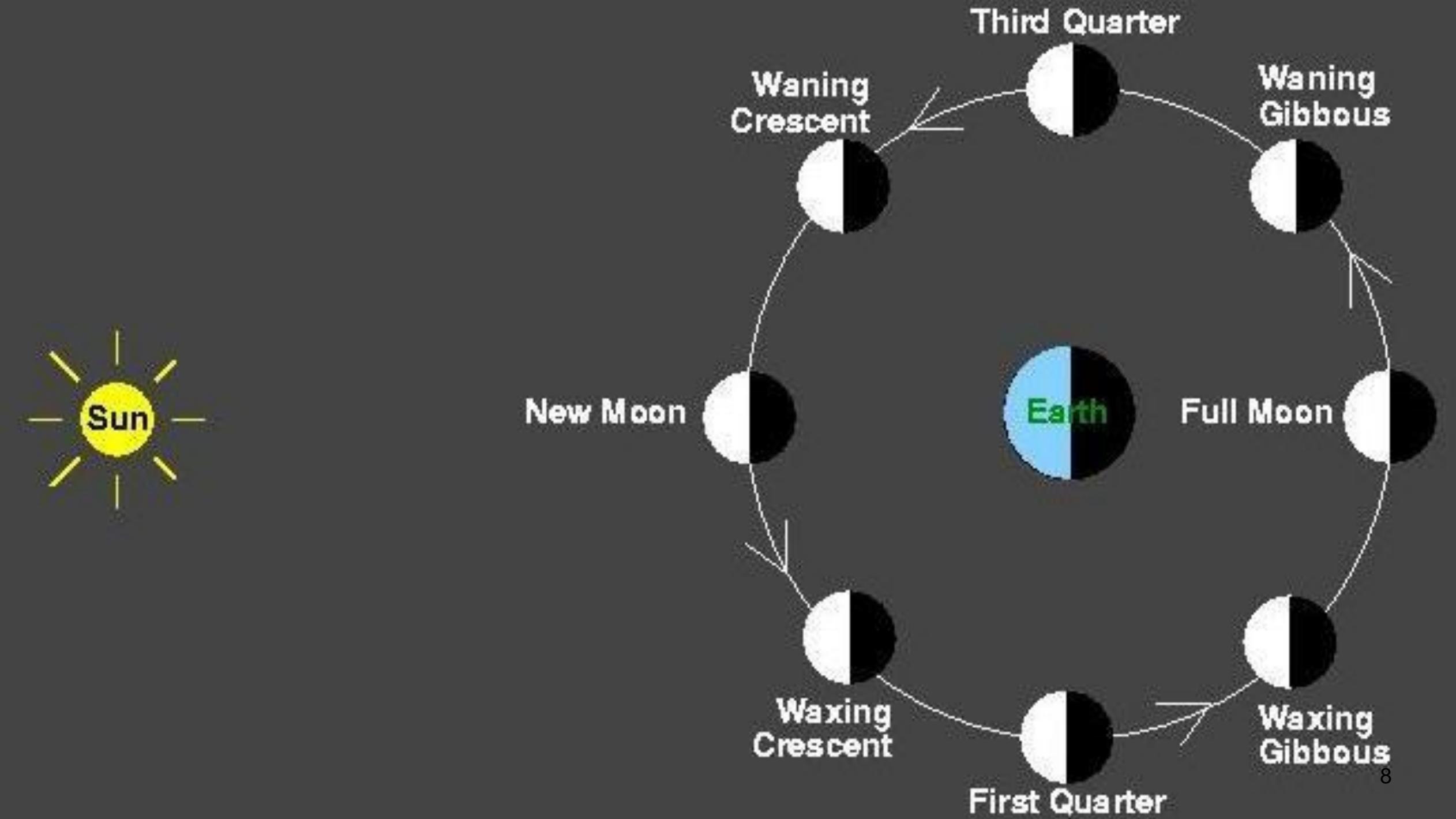
Halal?
Haram?

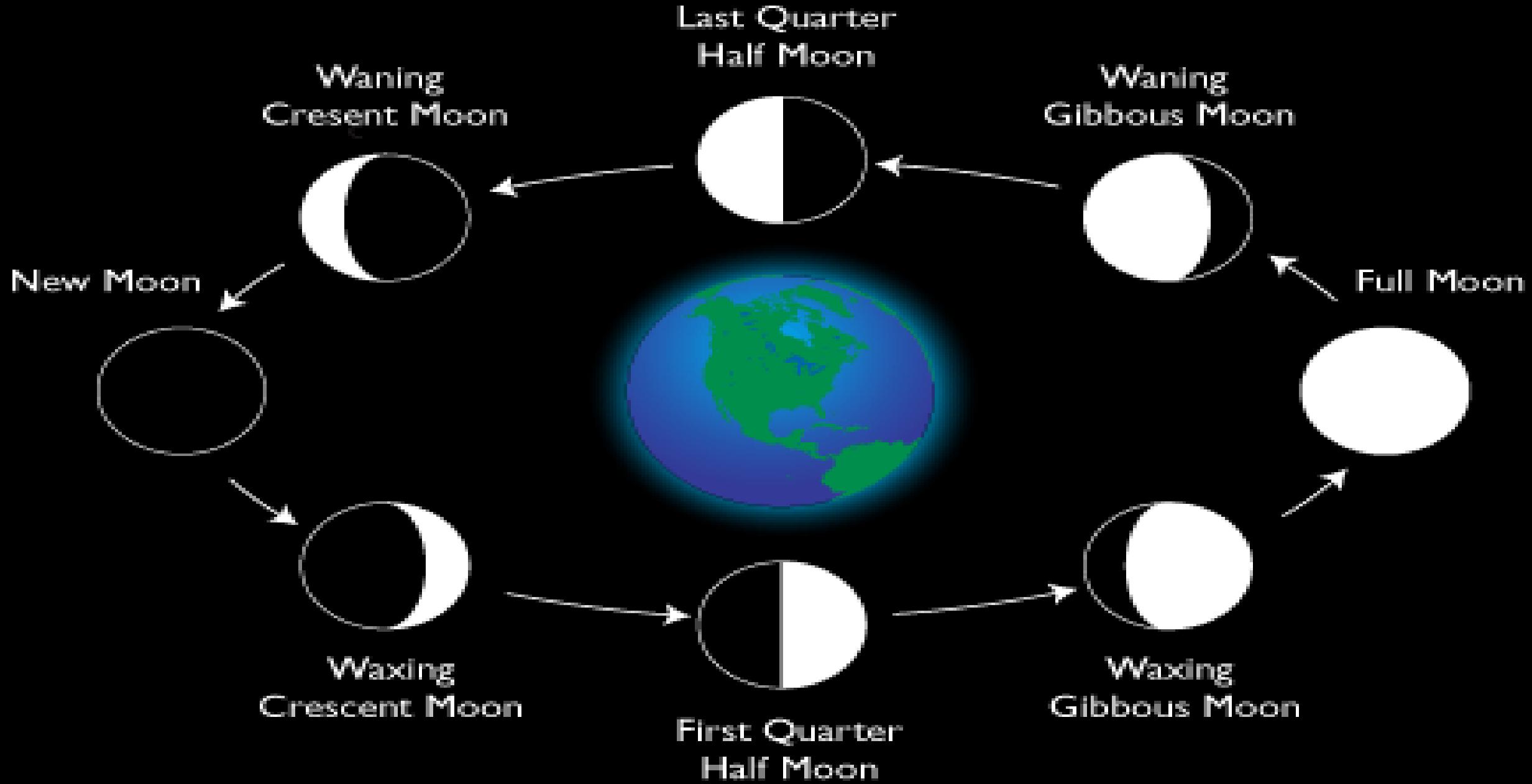




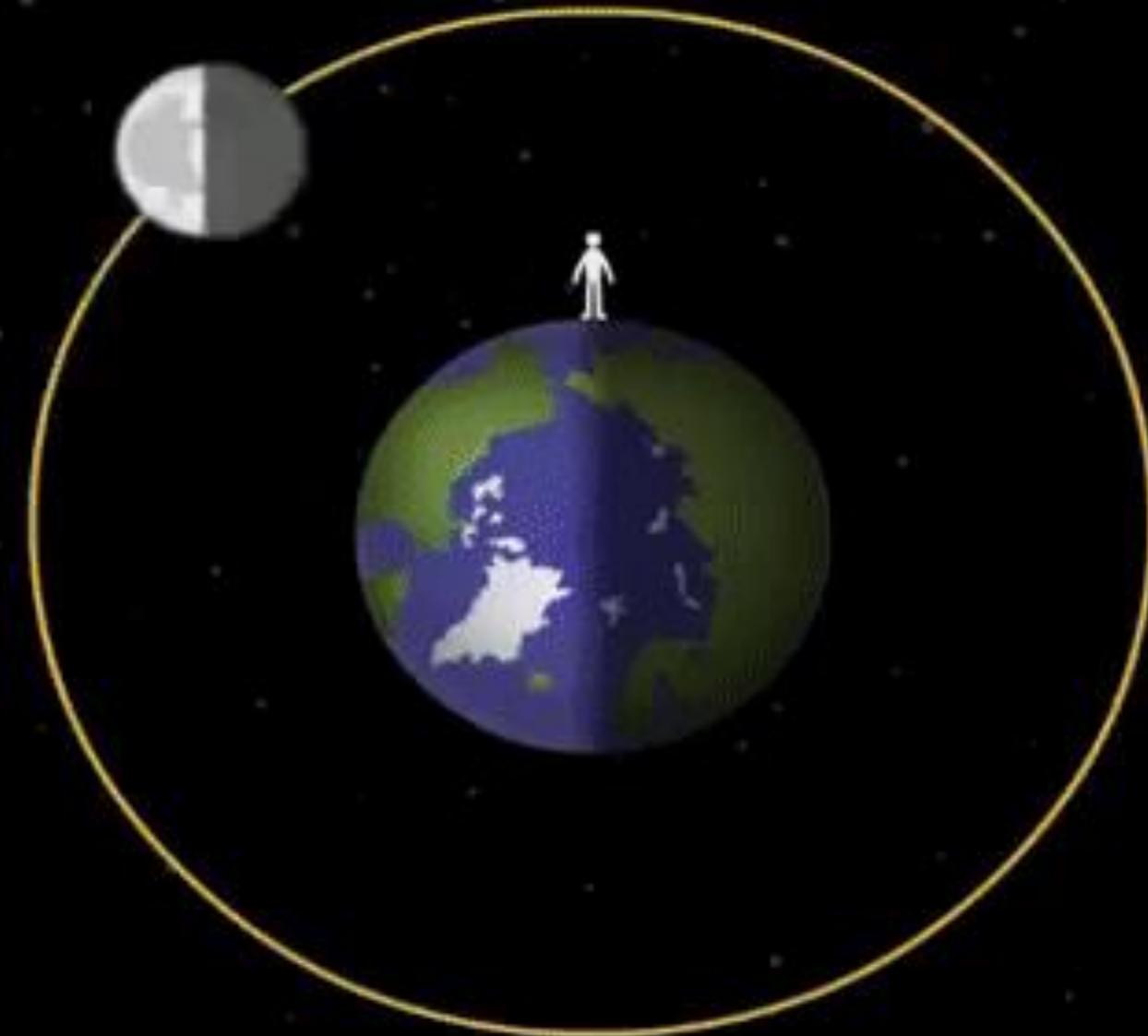
Falak untuk Siswa

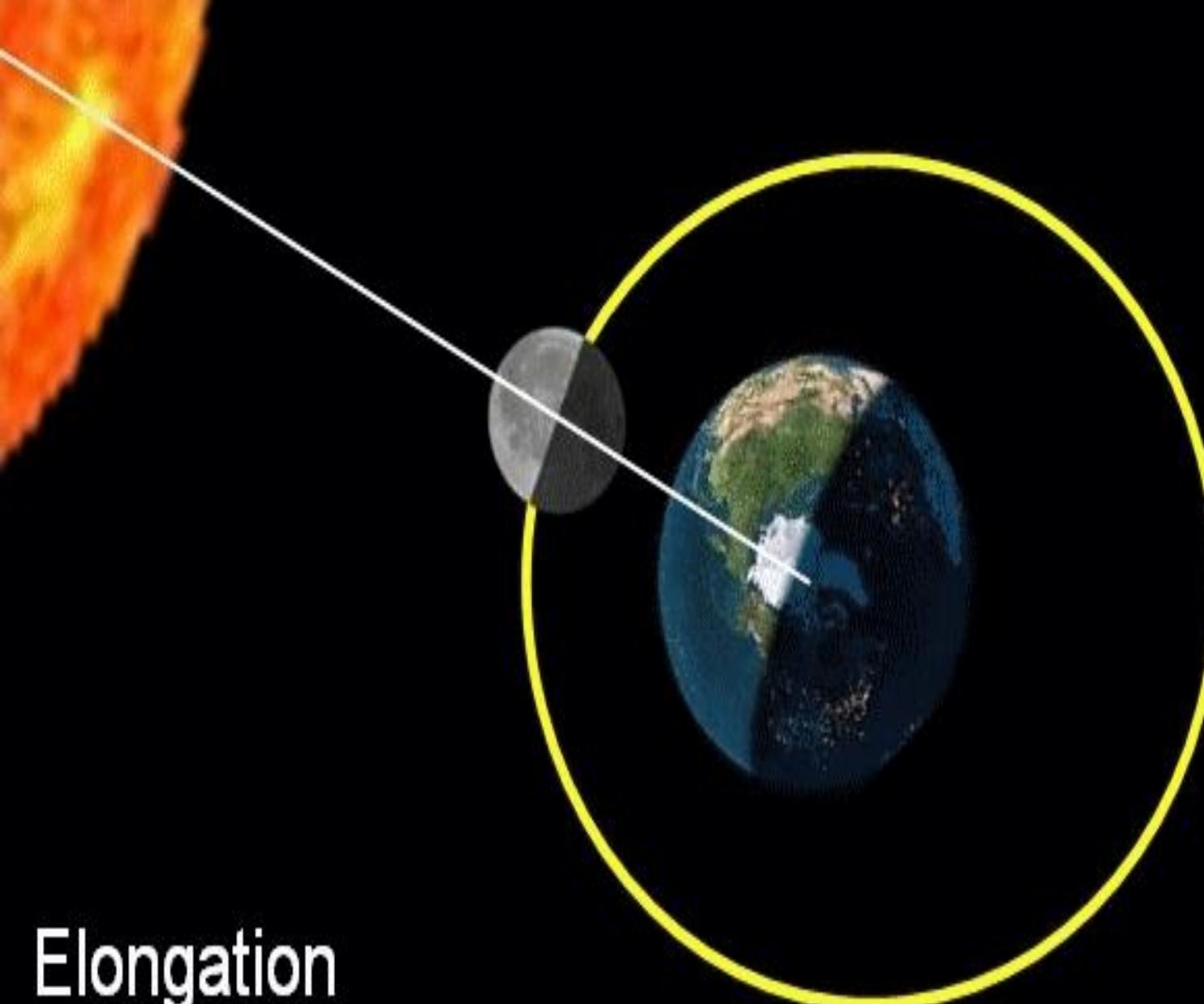
وَالْقَمَرَ قَدْرُنَاهُ حَتَّىٰ عَادَ كَانُواْجُونِ الْقَدِيمِ
QS 36:39





Exit





0% illuminated

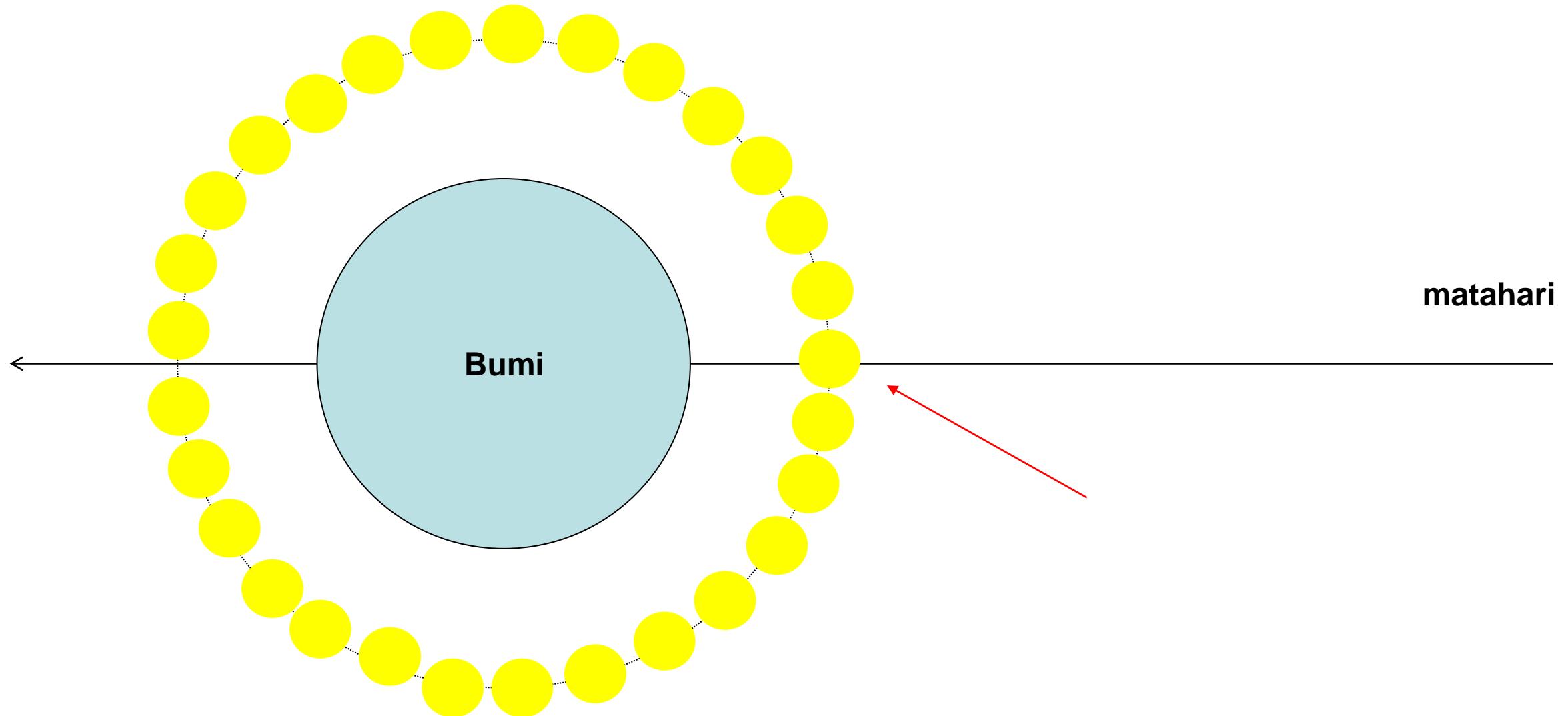
Elongation
0°



New Moon

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

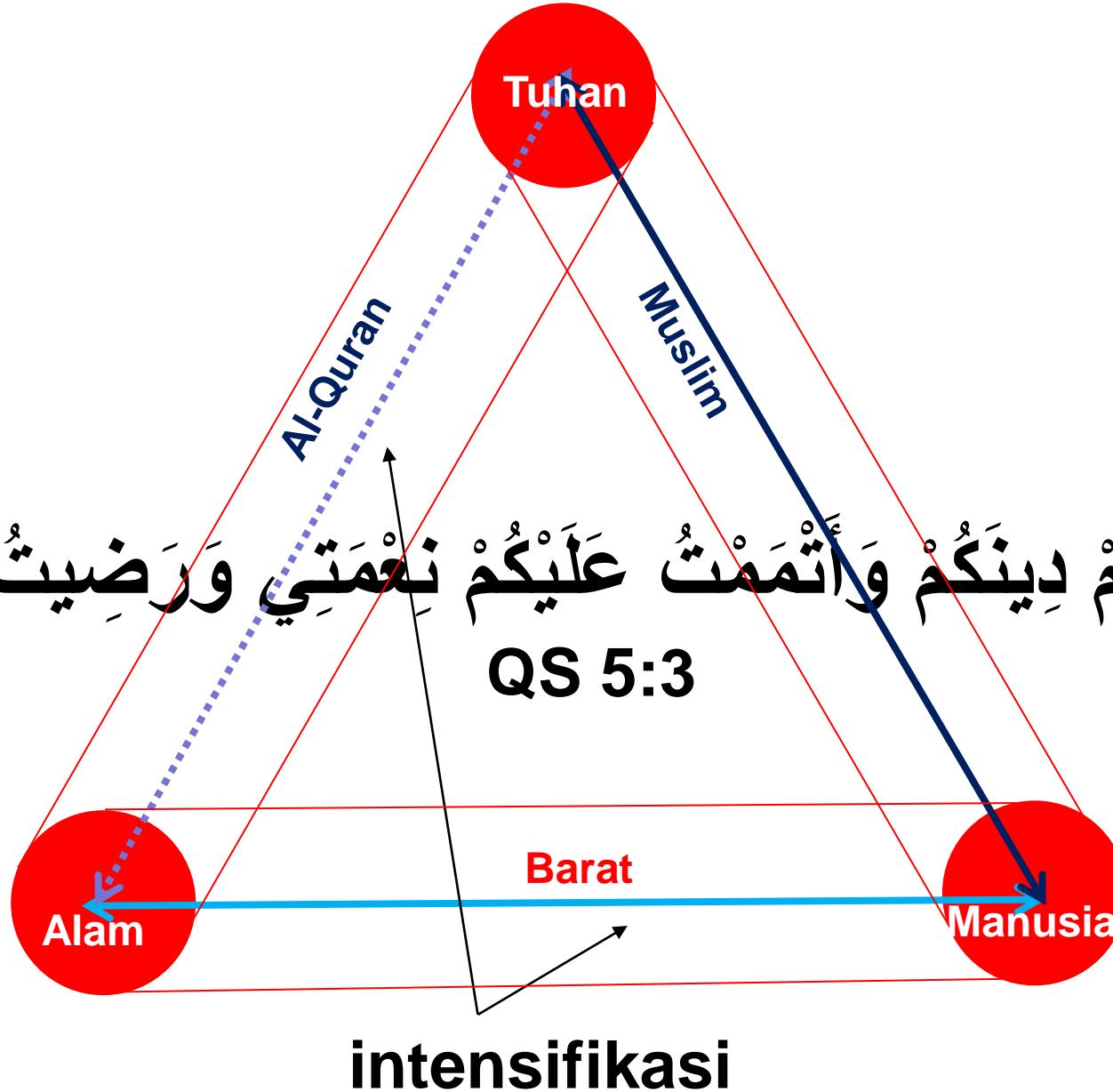
Posisi Bulan Setiap Maghrib



The Perfection of Islam

الْيَوْمَ أَكْمَلْتُ لَكُمْ دِينَكُمْ وَأَتَّقْدَمْتُ عَلَيْكُمْ نَعْمَلْتُ لَكُمُ الْإِسْلَامَ دِينًا

QS 5:3



Science
Technology
Agriculture
Medical

30 juz
114 surah
6236 verses

Fiqh

160
law

800
nature

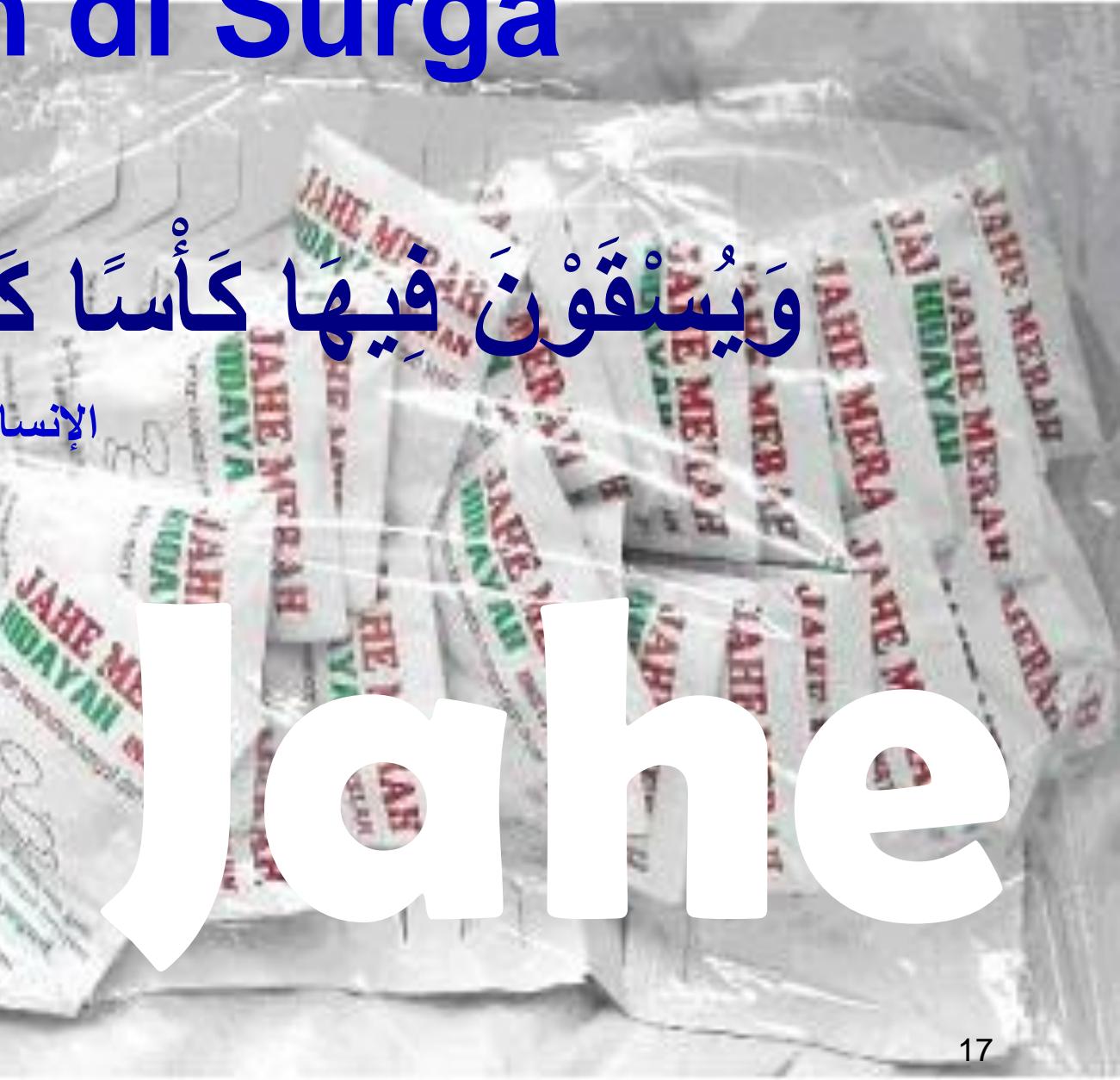


Integrasi Sains & Agama

Tanaman di Surga

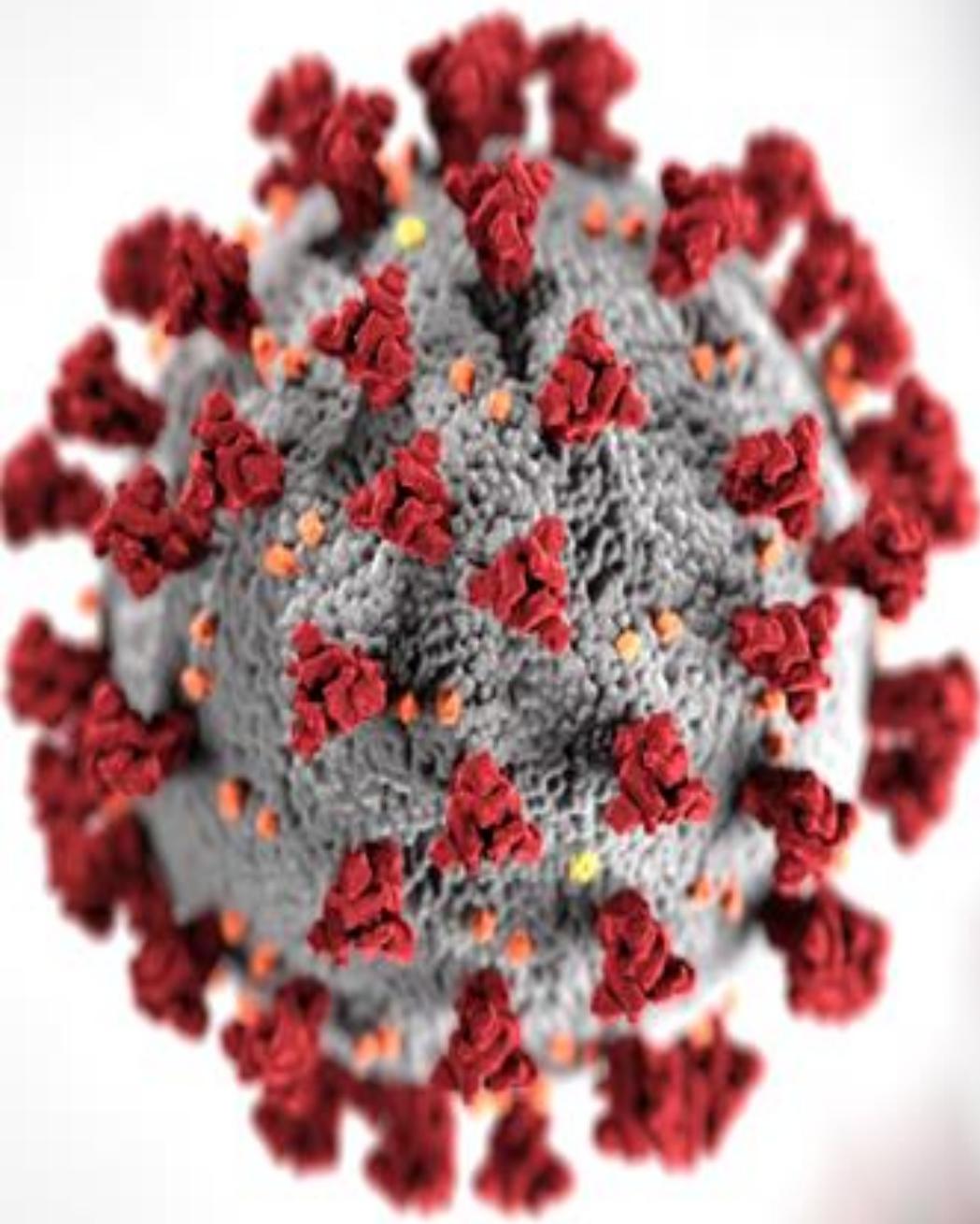
وَيُسْقَونَ فِيهَا كَأْسًا مِّرَاجُهًا زَنجِيلًا

الإنسان 17



Negara Penghasil Jahe Terbesar di Dunia

No	Negara	Jumlah (Ton)	%
1	India	420.000	30
2	China	285.000	20,5
3	Indonesia	177.000	12,7
4	Nepal	158.905	11,5
5	Nigeria	138.000	10
6	Bangladesh	57.000	4,1
7	Jepang	42.000	3
8	Thailand	34.000	2,5
9	Filipina	28.000	2
10	Sri Lanka	8.270	0,6
	Dunia	1.387.445	



Prof.Dr.drh. Choirul Anwar Nidhom

COVID 19
9

وَأَنْبَثْتَا عَلَيْهِ شَجَرَةً مِنْ يَقْطِينٍ

QS 37:146

فَقَرَبَ إِلَى رَسُولِ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ خُبْزًا وَمَرْقًا فِيهِ دُبَاءٌ وَقَدِيدٌ
فَرَأَيْتُ النَّبِيَّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ يَتَتَّبِعُ الدُّبَاءَ مِنْ حَوَالِي الْقَصْعَةِ
قَالَ فَلَمْ أَزَلْ أُحِبُّ الدُّبَاءَ مِنْ يَوْمِئذٍ

Maka disuguhkan kepada Rasululloh SAW roti, sayur sop berisi labu dan daging asin yang sudah dikeringkan. Aku melihat Nabi shallallohu 'alaihi wasallam mencari-cari labu tersebut dari pinggir-pinggir baskom. Beliau berkata: " Sejak hari itu aku selalu suka dengan labu". (HR Bukhari No. 1950)

Kalimat & Hukum

S	P	O	K
الرفع		النصب	
الرفع , النصب , الجر , الجزم			

Technology:
Building the Tools of Mankind

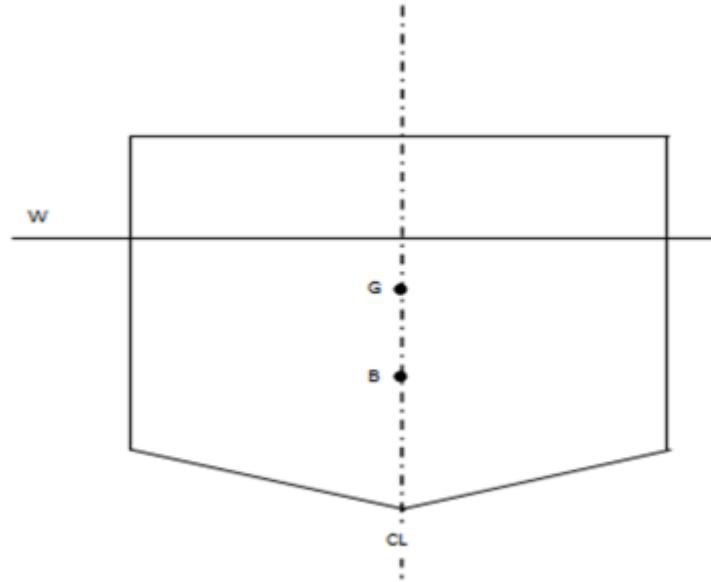
اللهُ الَّذِي سَخَّرَ لَكُمُ الْبَحْرَ لِتَجْرِيَ الْفُلُكَ فِيهِ بِأَمْرِهِ
وَسَخَّرَ لَكُمُ الْفُلُكَ لِتَجْرِيَ فِي الْبَحْرِ بِأَمْرِهِ



وَاصْنَعِ الْفُلْكَ بِأَعْيُنِنَا وَوَحْيِنَا - وَيَصْنَعِ الْفُلْكَ

QS 11:37-38

الحديد

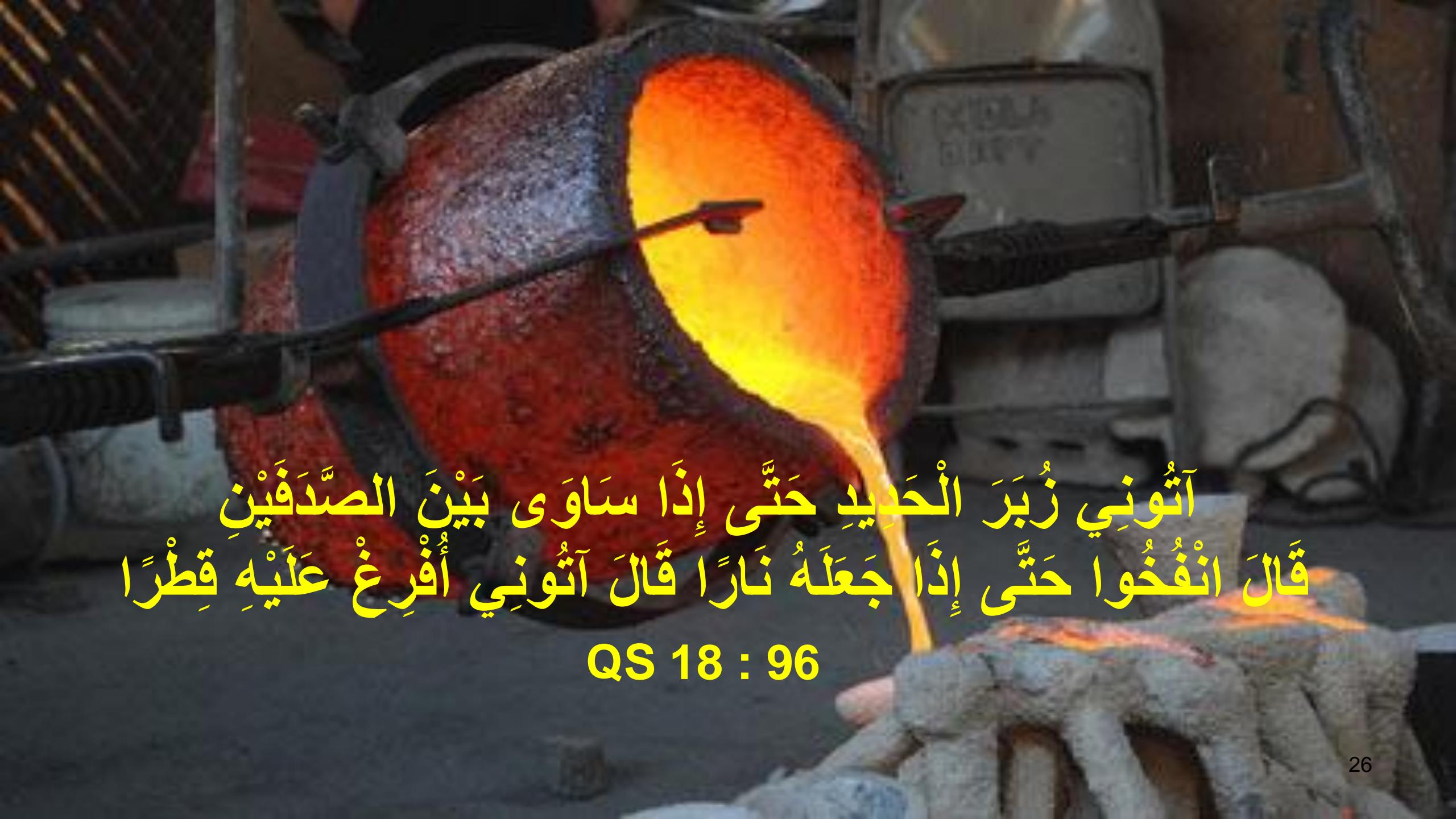


وَسَخَّرَ لَكُمْ الْفُلَى لِتَجْرِي فِي الْبَحْرِ بِأَمْرِهِ
QS 14:32

A wide-angle photograph of a steel mill interior. Several long, glowing red-hot steel beams are being transported on a multi-tiered conveyor system. The scene is filled with intense orange and yellow light from the molten metal, creating a dramatic and industrial atmosphere.

وَلَقَدْ آتَيْنَا دَاءُودَ مِنَّا فَضْلًا يَا جِبَالُ أَوَبِي مَعَهُ وَالْطَّيْرُ وَأَنَّا لَهُ الْحَدِيدَ

QS 34:10



آتُونِي زُبَرَ الْحَدِيدِ حَتَّىٰ إِذَا سَأَوَى بَيْنَ الصَّدَفَيْنِ
قَالَ انْفُخُوا حَتَّىٰ إِذَا جَعَلَهُ نَارًا قَالَ آتُونِي أُفْرِغْ عَلَيْهِ قِطْرًا

QS 18 : 96

PTM

Scopus®

penting
tetapi bukan utama





agroteknologi



relasi

agama

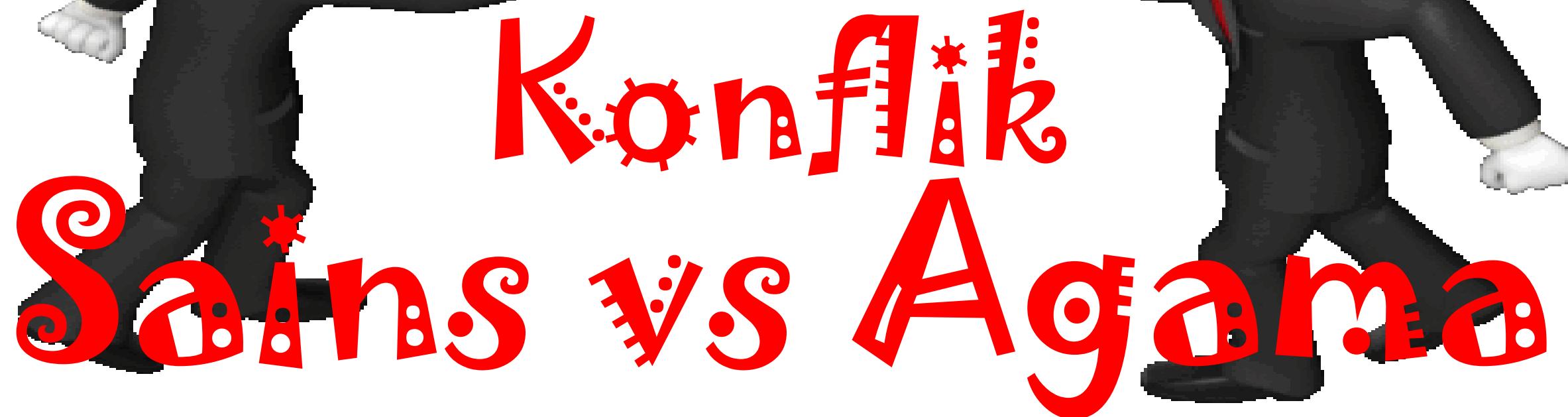
konflik
independen

dialog

integrasi

suis





Konflik

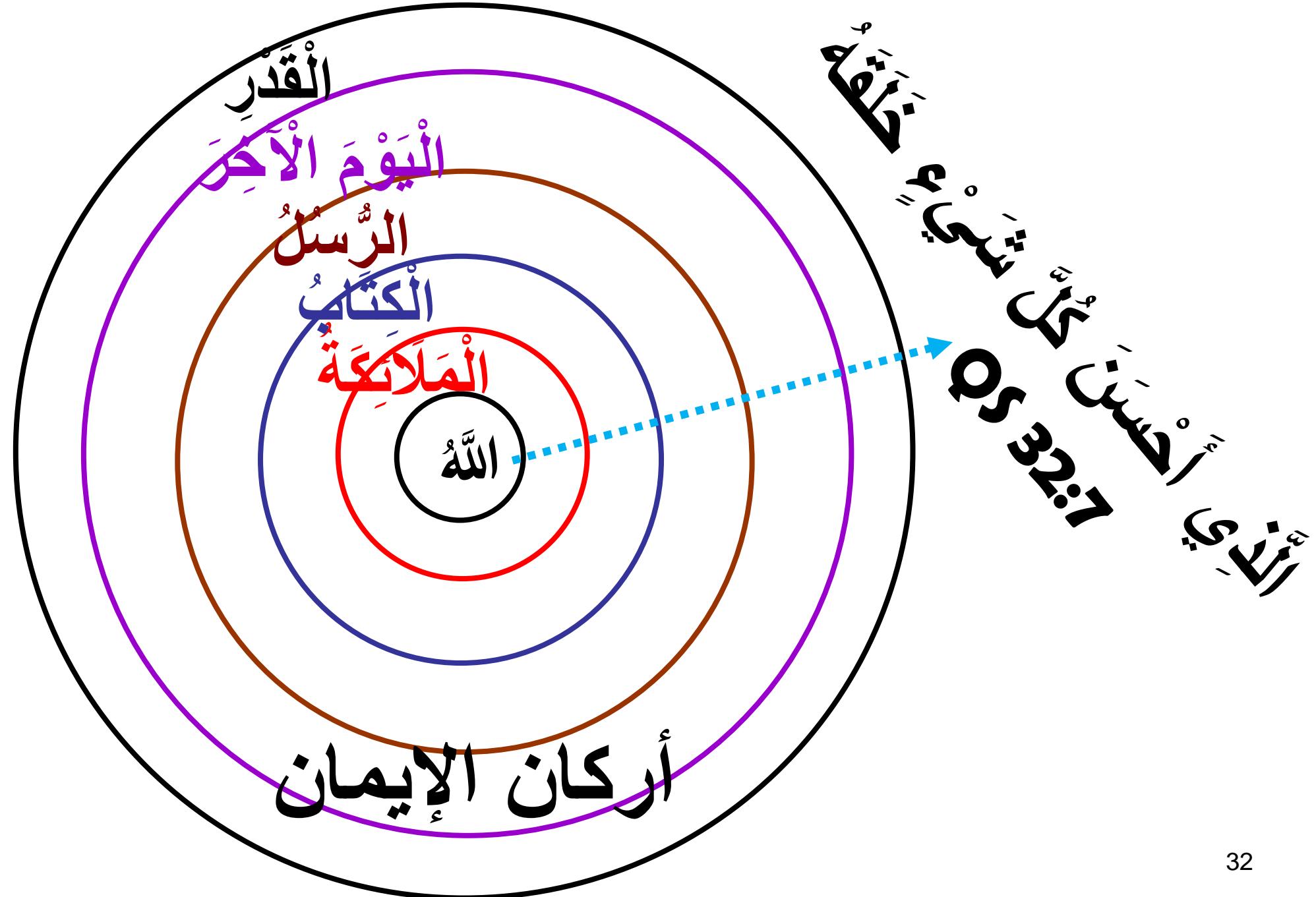
Sains vs Agama

IPA SMP - Fisika SMA



Materi

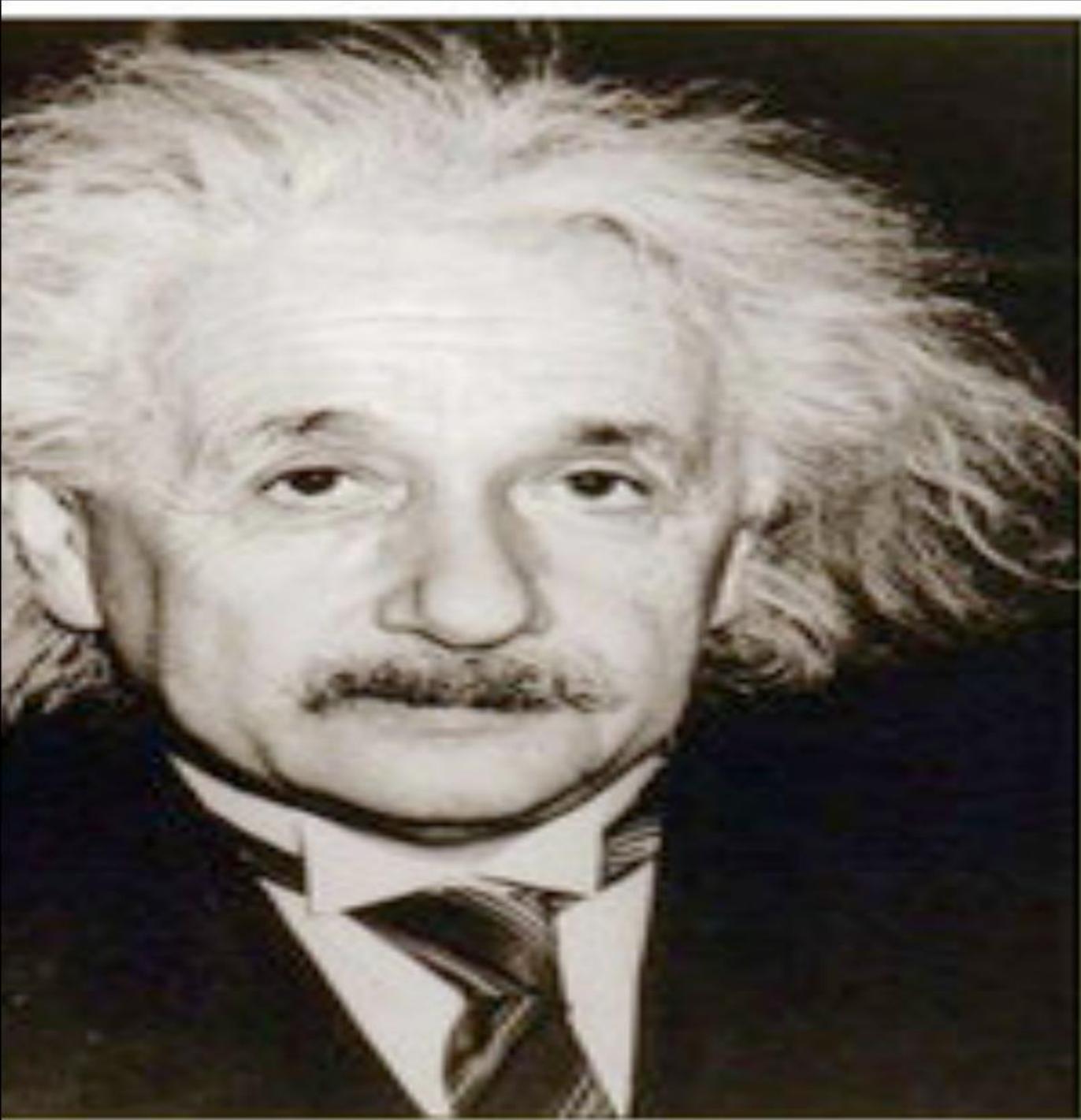
tidak diciptakan dan tidak dapat dimusnahkan





The Old Opinion

The Universe
is eternal and static



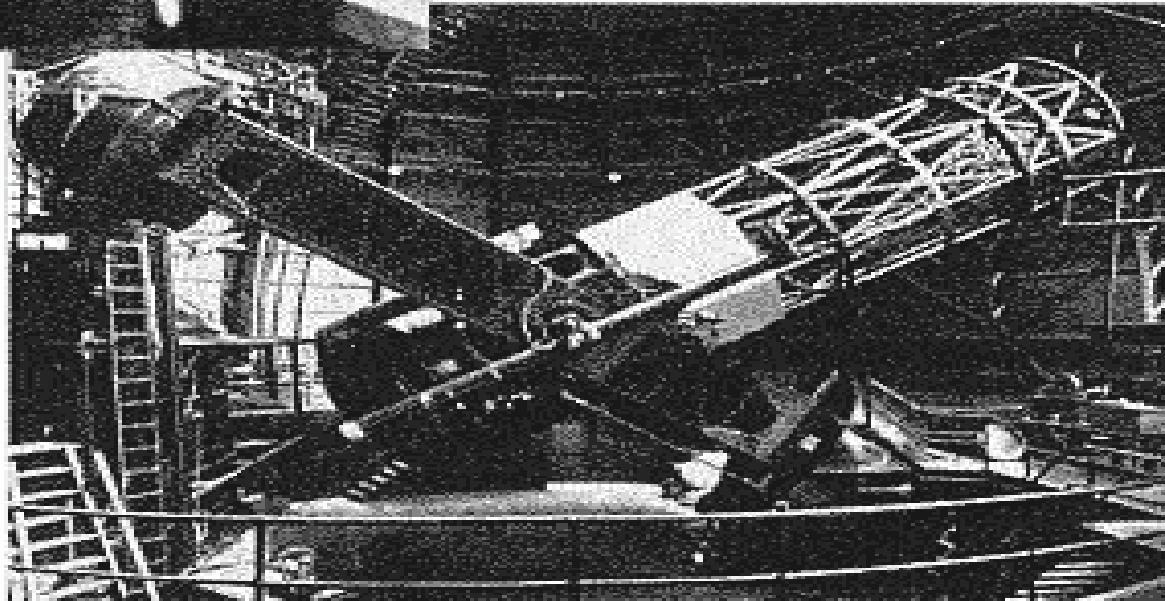
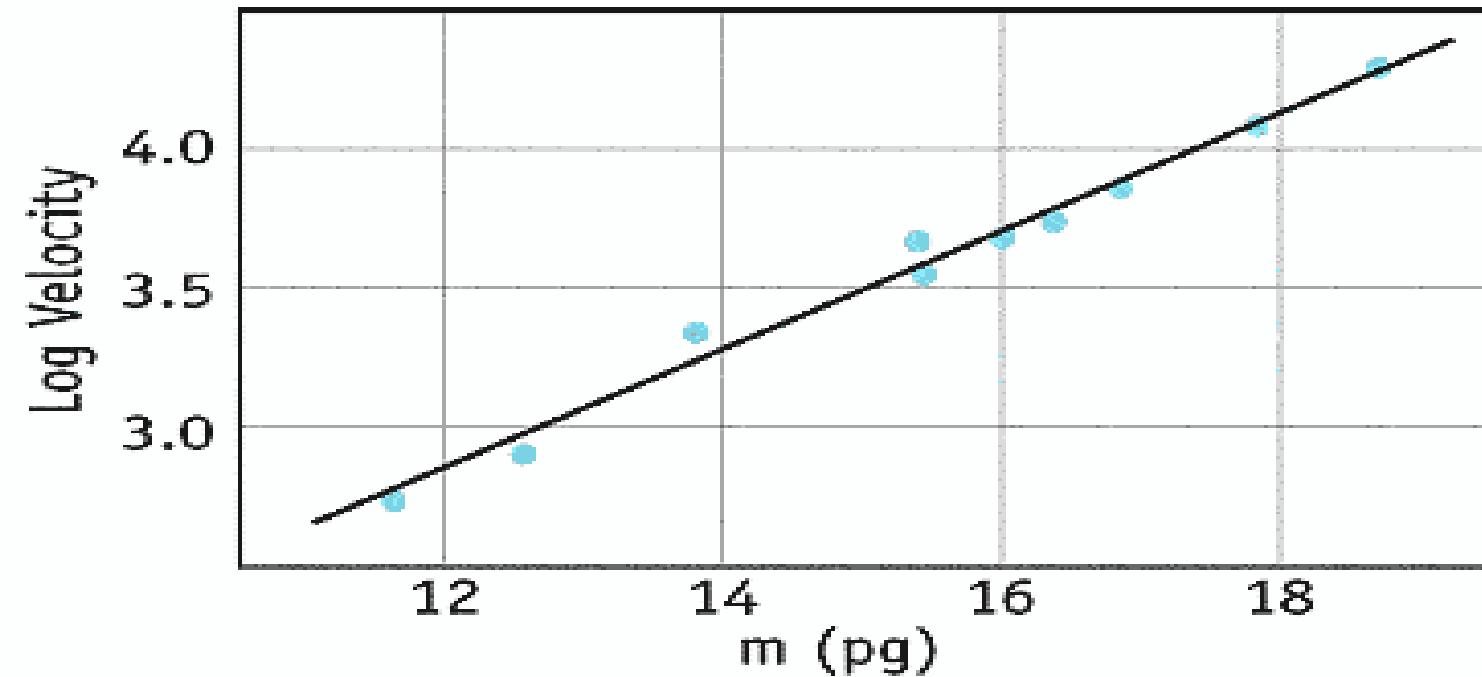
A

وَالسَّمَاءَ بَنَيْنَاهَا بِأَيْدٍ وَإِنَّا لَمُوسِعُونَ

DISCOVERY OF EXPANDING UNIVERSE



Edwin Hubble



Mt. Wilson
100 Inch
Telescope



Epistemologi : **Sumber Ide, Sumber Informasi**

Pertanyaan :
Kritis dan Logis

Jawaban :
Kesimpulan Sementara,
Hipotesa

Riset:
Observasi, Eksperimen

Rumusan, Konseptualisasi

s
as

halan
z

النَّمْلُ
حَتَّىٰ إِذَا أَتَوْا عَلَىٰ وَادِ النَّمْلِ
قَالَتْ نَمْلَةٌ
يَا أَيُّهَا النَّمْلُ
ا دْخُلُوا مَسَاكِنَكُمْ
لَا يَخْطِمَنَّكُمْ سُلَيْمَانٌ وَجُنُودُهُ وَهُمْ لَا يَشْعُرُونَ

Tuhan Iseng?

Pertanyaan ttg Semut ke-3

Kata dan Struktur Kalimat

QS an-Naml 18

حَتَّىٰ إِذَا أَتَوْا عَلَىٰ وَادِ النَّمْلِ

قَالَتْ نَمْلَةٌ

يَا أَيُّهَا النَّمْلُ ادْخُلُوا مَسَاكِنَكُمْ
لَا يَخْطِمَنَّكُمْ سُلَيْمَانٌ وَجُنُودُهُ وَهُمْ لَا يَشْعُرُونَ

semut betina

memerintah

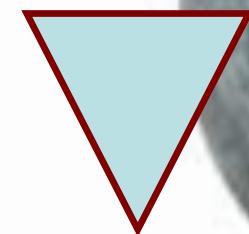
menyeru

Ratu Semut

Ratu Semut

=/ =

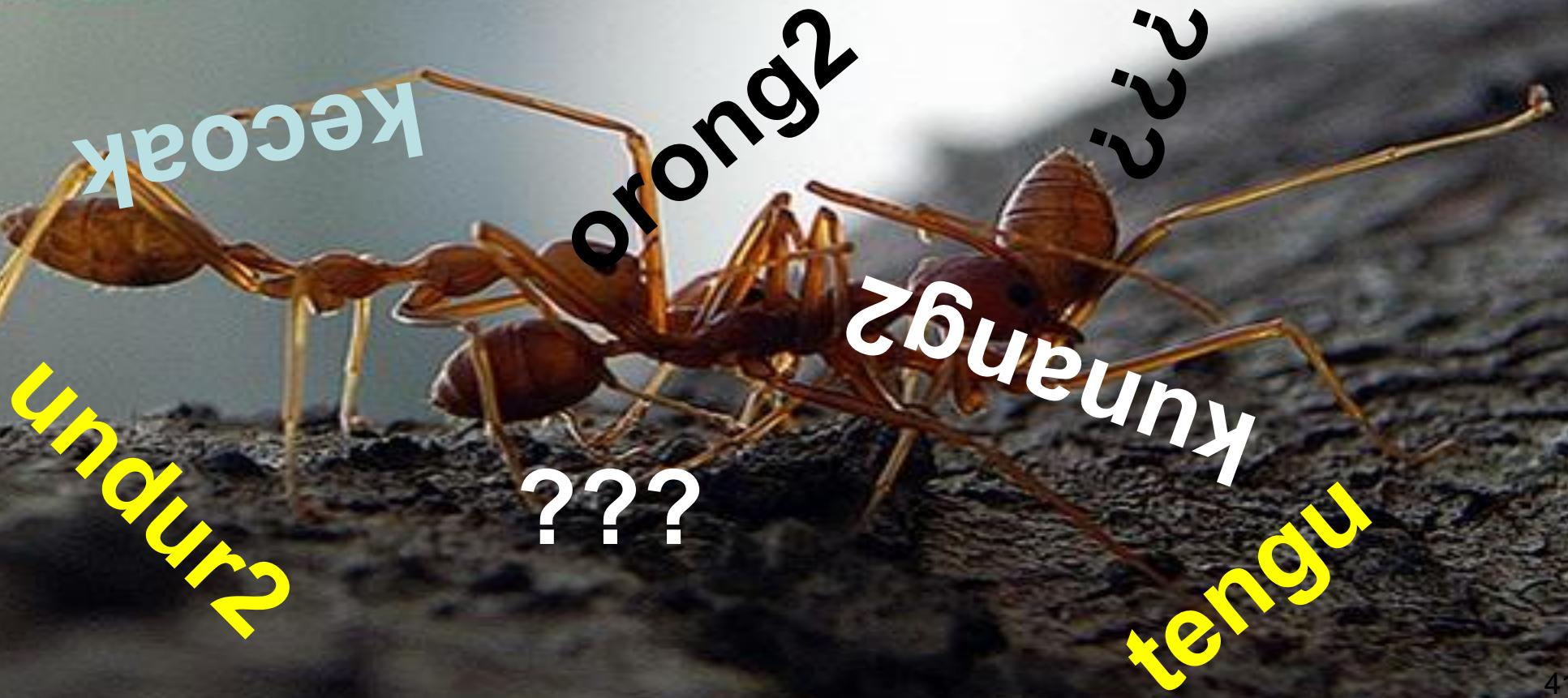
ملكة النمل



hipotesis

Mengapa Semut?

alone studio | zikir semut





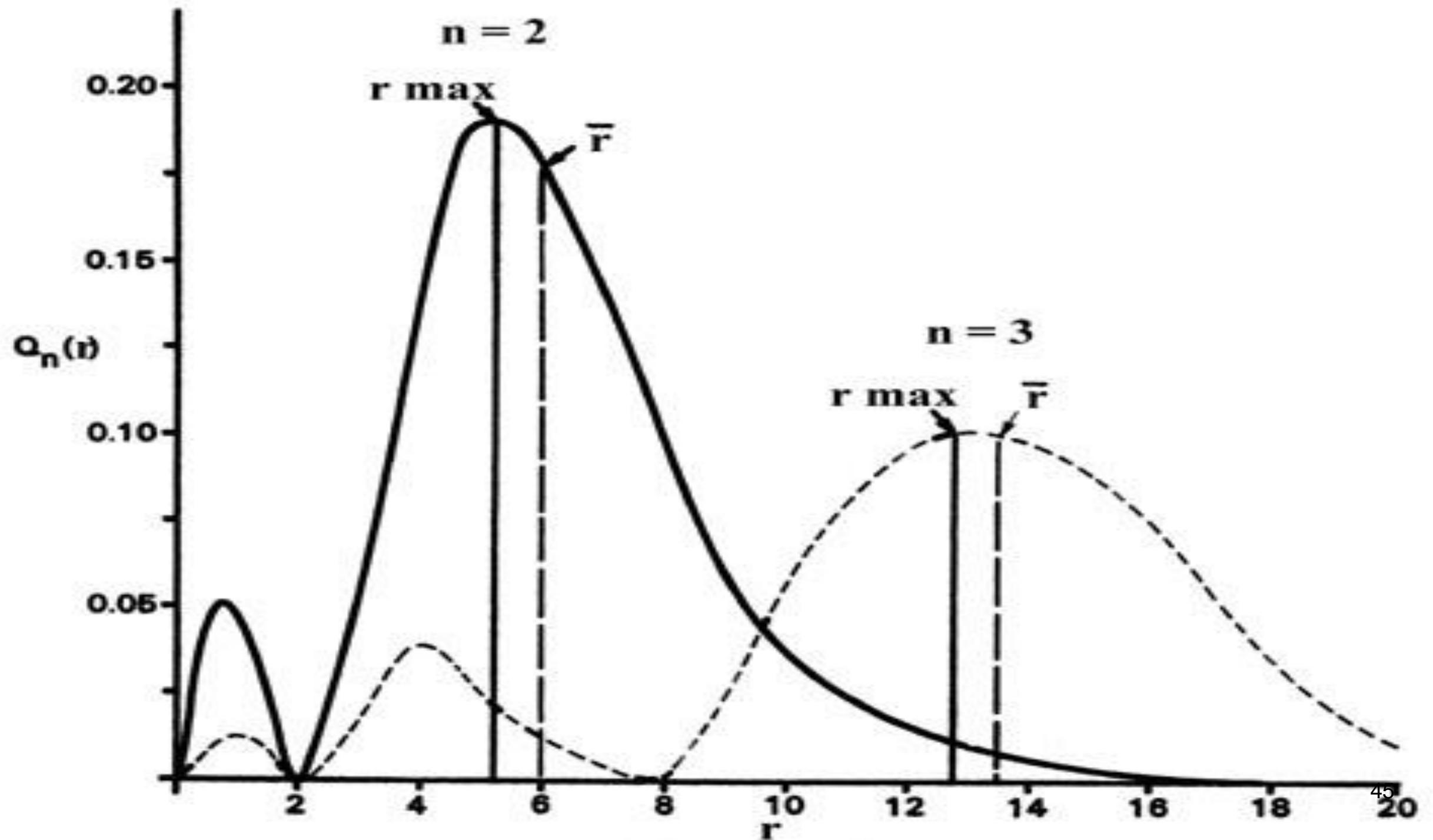
**Bagaimana?
Sains yang Ada
penyucian
spiritualisasi**



Sains Modern :
Materi,
Ruang dan
Waktu

Mechanical World View



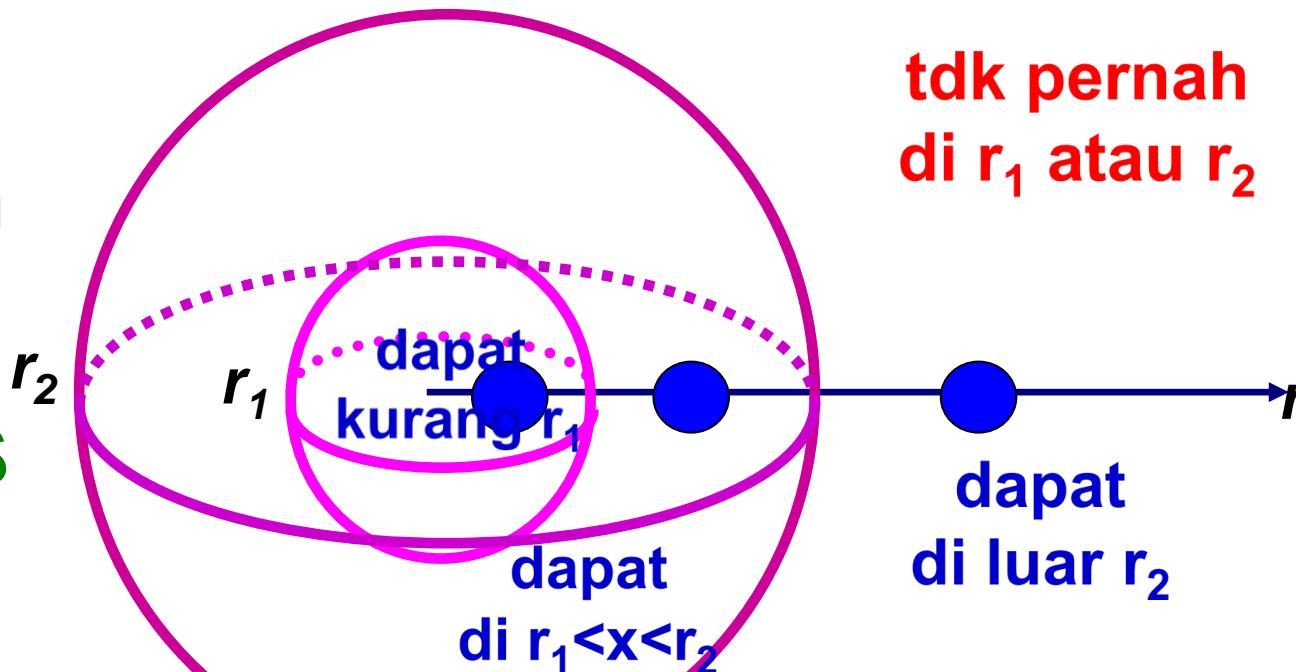


UKURAN BOLA PLASTIK



elektron atom hidrogen

tercipta,
musnah
terus
menerus



الله يَبْدِأُ الْخَلْقَ ثُمَّ يُعِيدُهُ

QS ar-Rahman 55:29

كُلَّ يَوْمٍ هُوَ فِي شَاءٍ

Tuhan Tidak Pensiun!!!

kabut elektron

Atomisme al-Asy'ari

identik

Atomisme Kuantum

Cara Pandang Lain

الأنصاف

في مواجهة عقادة
ولا يجوز الجحول لها

في سلام الكلام

تألیف

الدرست العاشری ابی سکر محمد بن الطیب الباقر
للتوپ ٤٢ ص ٦٠

مشہور و موثق
رسور فوی المذہبی



دارالكتب العلمية
لماضي و مستقبل

Atomisme al-Asy'ari

جزء الذى لا يتجزأ

dimensionless

QS al-Jin : 28

وَاحْصَى كُلَّ شَيْءٍ عَدَداً

finite

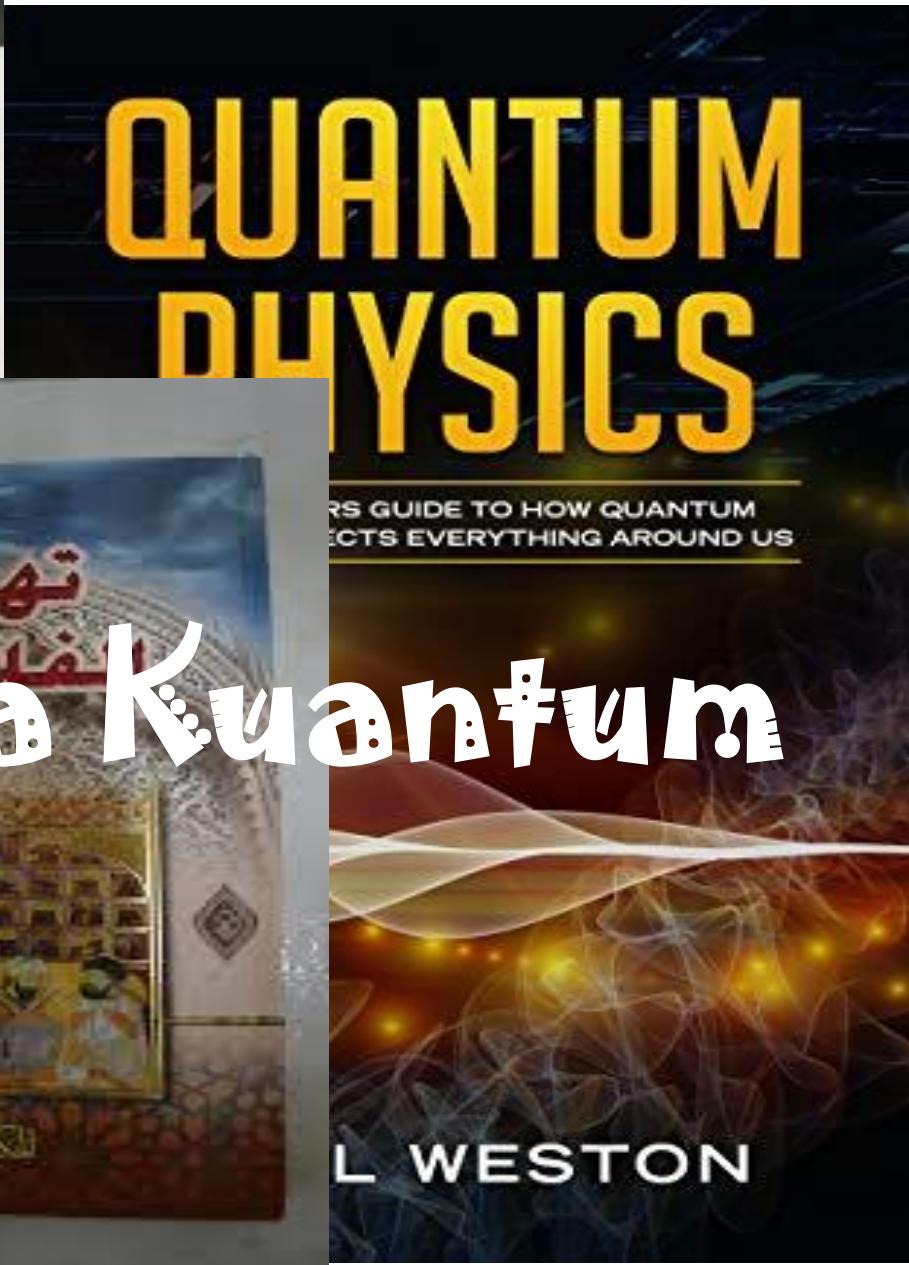
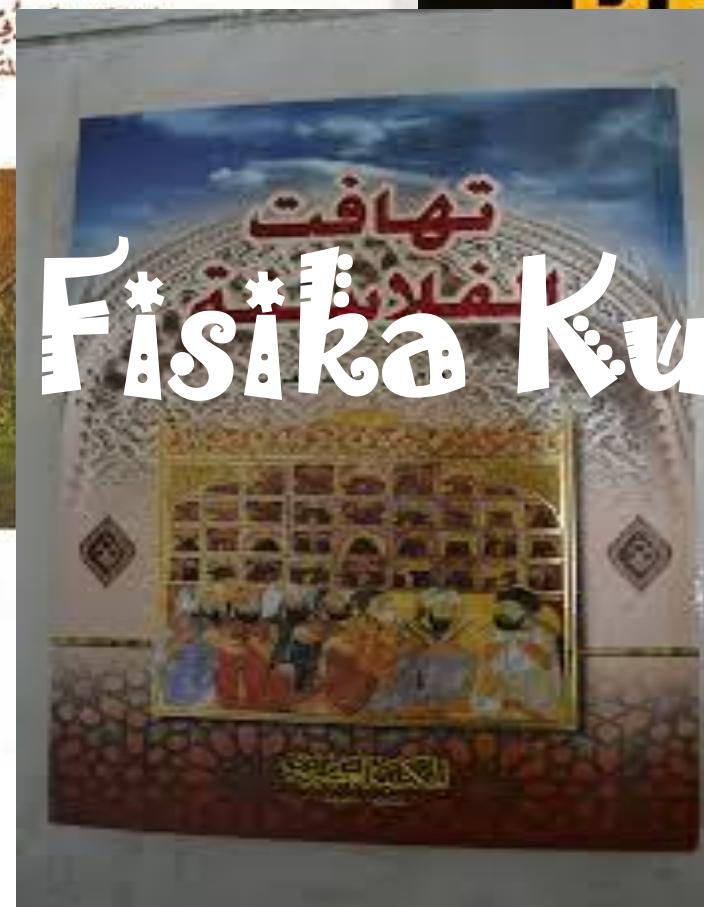
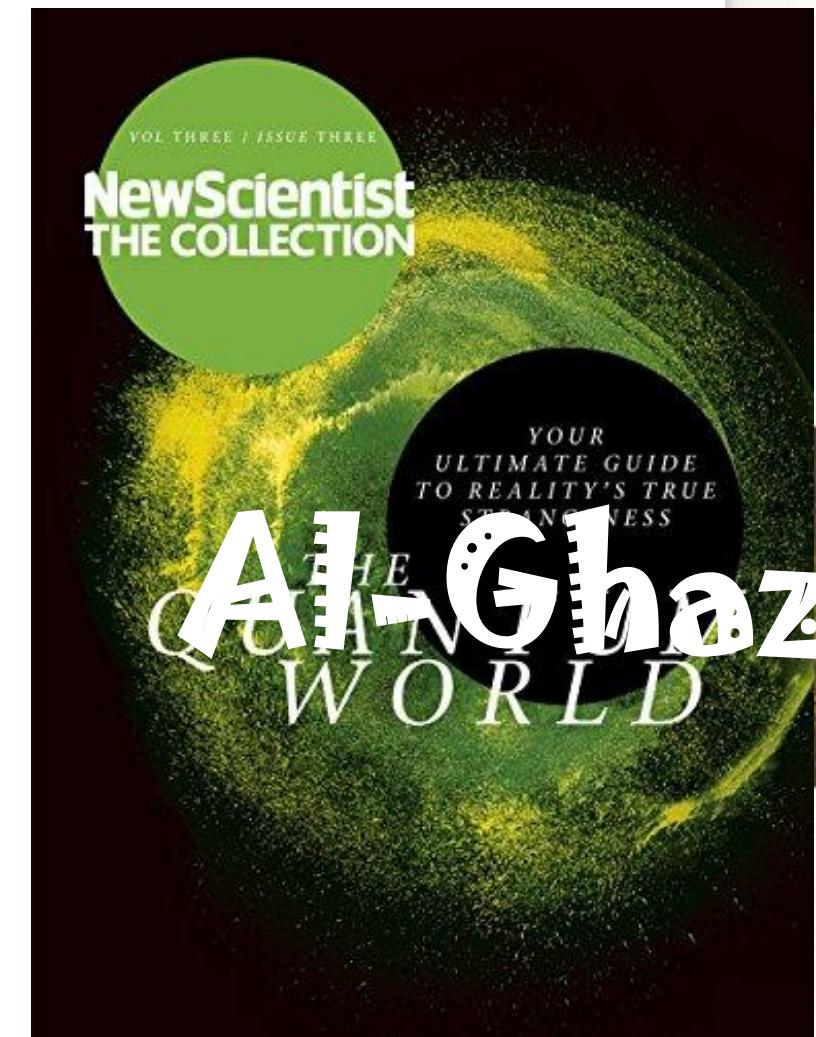
eksis sesaat

QS al-Anfal 67

تُرِيدُونَ عَرْضَ الدُّنْيَا وَاللَّهُ يُرِيدُ الْآخِرَةَ

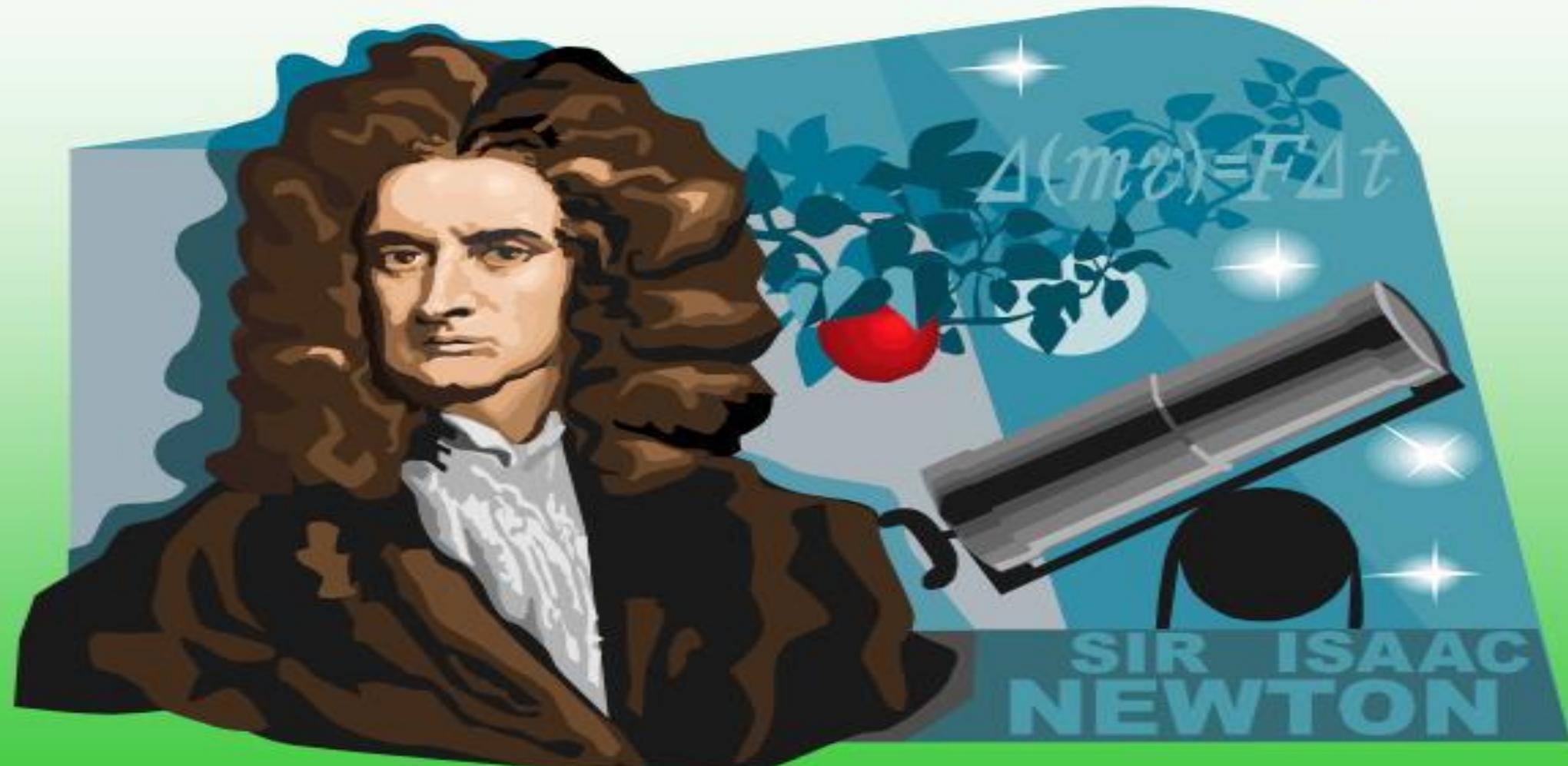
QS al-Ahqaf 25

تَدَمِّرُ كُلَّ شَيْءٍ بِأَمْرِ رَبِّهَا فَاصْبَحُوا لَا يُرَى إِلَّا مُسَاكِنَهُمْ



Spiritualisasi/Transendensi Sains

Newton's Laws of Motion



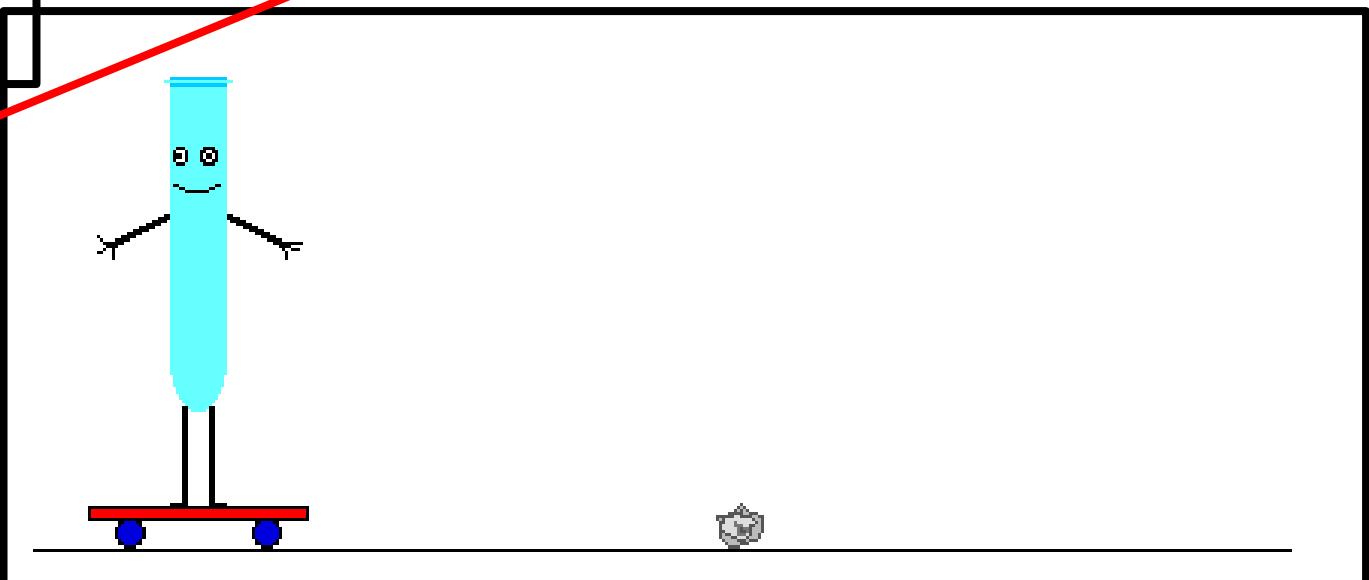


اهْدِنَا الصِّرَاطَ الْمُسْتَقِيمَ

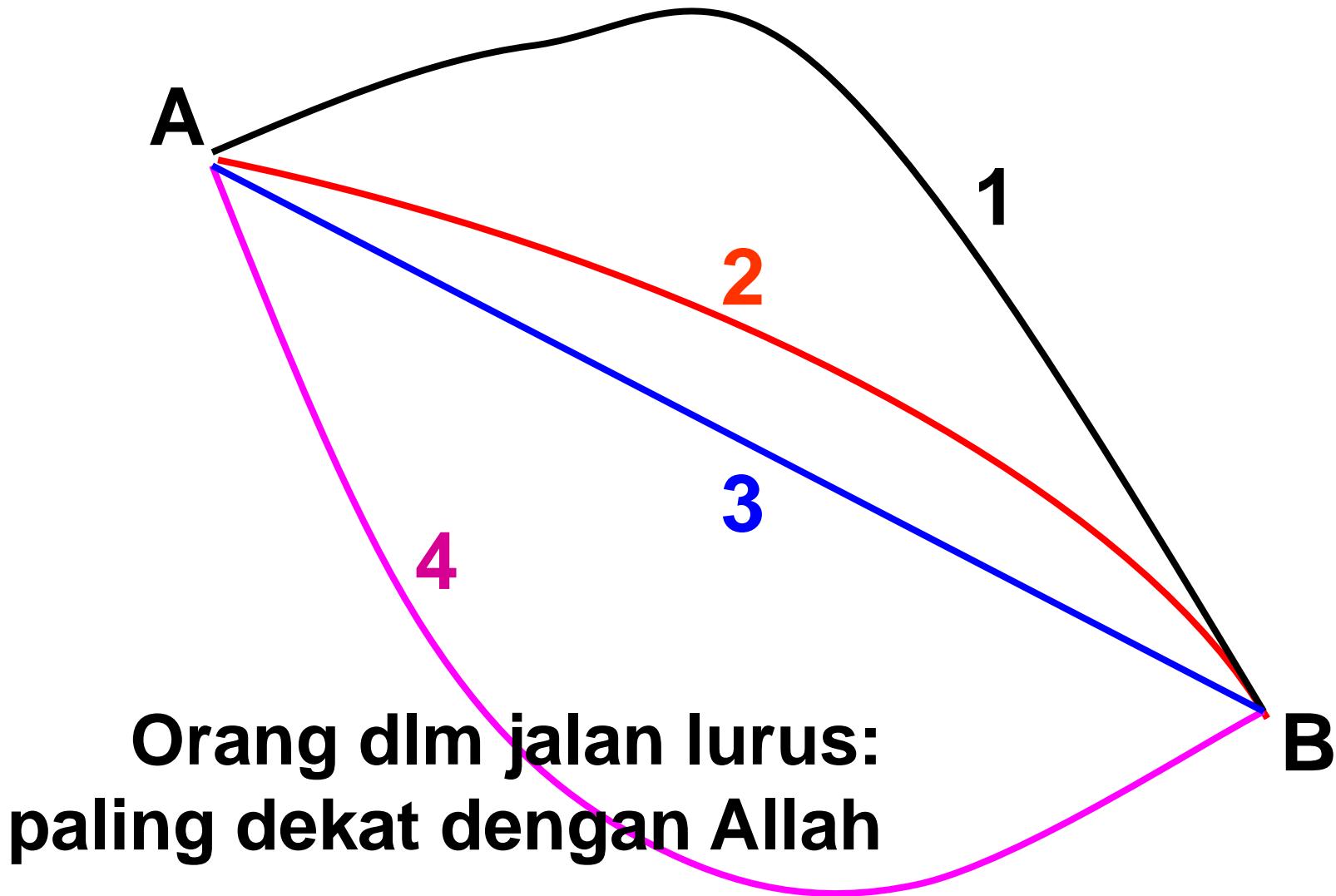
QS 1:6

Newton's First Law

every object will remain at rest
or in uniform motion in a straight line
unless disturbed by the action of an external force



Jarak Terdekat



أَلَمْ تَرَ أَنَّ اللَّهَ أَنْزَلَ مِنَ السَّمَاءِ مَاءً
فَأَخْرَجَنَا بِهِ ثَمَرَاتٍ مُخْتَلِفًا أَلْوَانُهَا
وَمِنَ الْجِبَالِ جُدُدٌ بَيْضٌ وَحُمْرٌ مُخْتَلِفٌ أَلْوَانُهَا
وَغَرَابِيبُ سُودٌ

وَمِنَ النَّاسِ وَالدَّوَابِ وَالْأَنْعَامِ مُخْتَلِفٌ أَلْوَانُهُ كَذَلِكَ
إِنَّمَا يَخْشَى اللَّهَ مِنْ عِبَادِهِ الْعُلَمَاءُ إِنَّ اللَّهَ عَزِيزٌ غَفُورٌ

إِنَّ الَّذِينَ يَتْلُونَ كِتَابَ اللَّهِ وَأَقَامُوا الصَّلَاةَ
وَأَنْفَقُوا مِمَّا رَزَقْنَاهُمْ سِرَّاً وَعَلَانِيَةً
يَرْجُونَ تِجَارَةً لَنْ تَبُورَ

Muhammadiyah dan Saintek

Islam tereduksi : Fikih dan Tasawuf **Tanpa Saintek**

Ijtihad awal koreksi arah kiblat → Falak → Selesai → Siswa
Integrasi Sains dan Islam

Hikmah Covid → Jahe dan Labu → MCCC & PTM

800 Ayat Alam → Nalar AAS → Kurikulum

Ngaji Turats

Ulama