

A stylized landscape illustration featuring rolling green hills, a blue sky with wavy bands, a red bird, a green tree, a purple flower, and a brown path.

# GEOLOGI GEOMORFOLOGI INDONESIA

3

Nugroho HP

# Pembagian Geologi Indonesia

Geologi Indonesia Barat

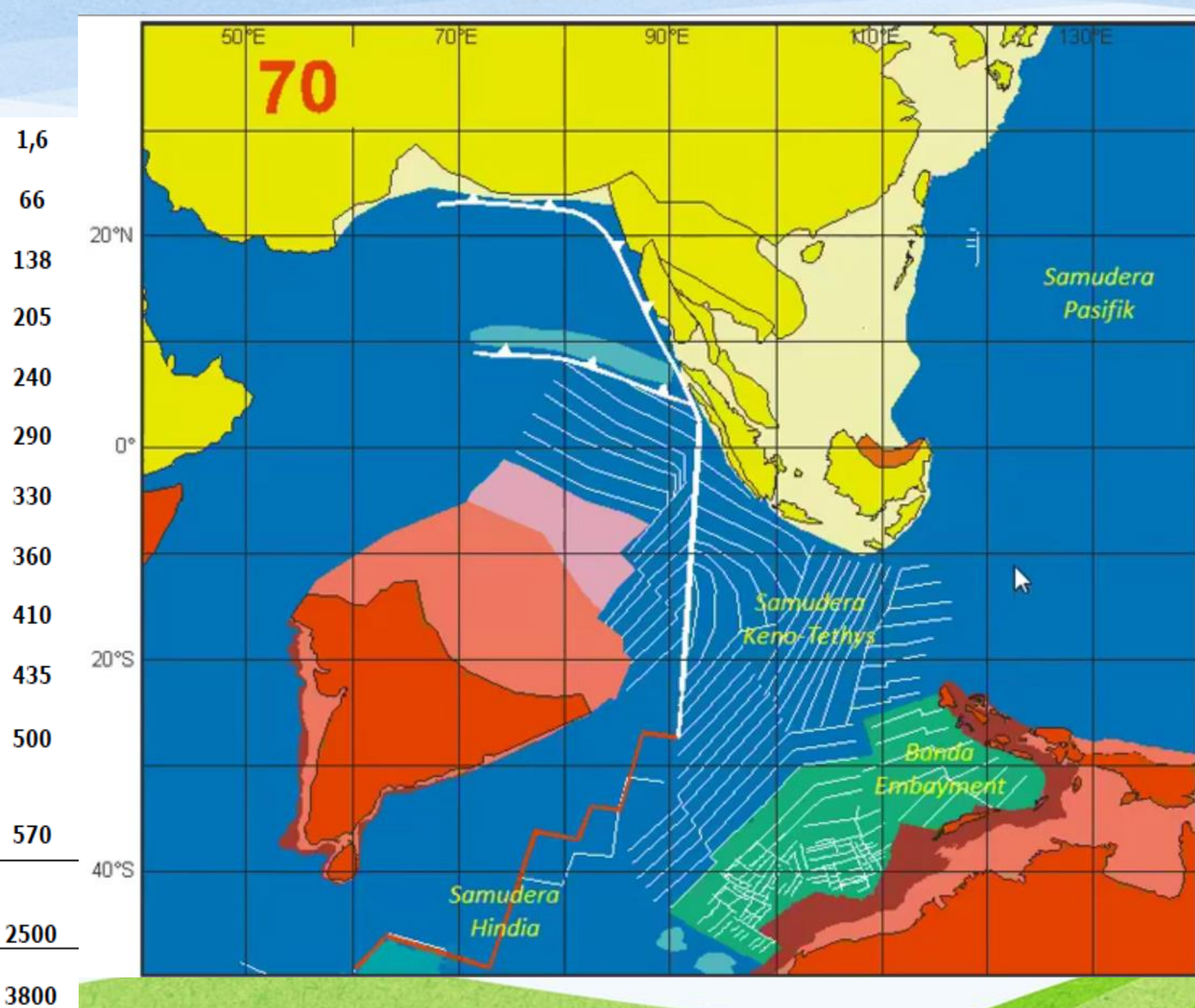
Geologi Indonesia Timur

Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image Landsat / Copernicus

Google Earth

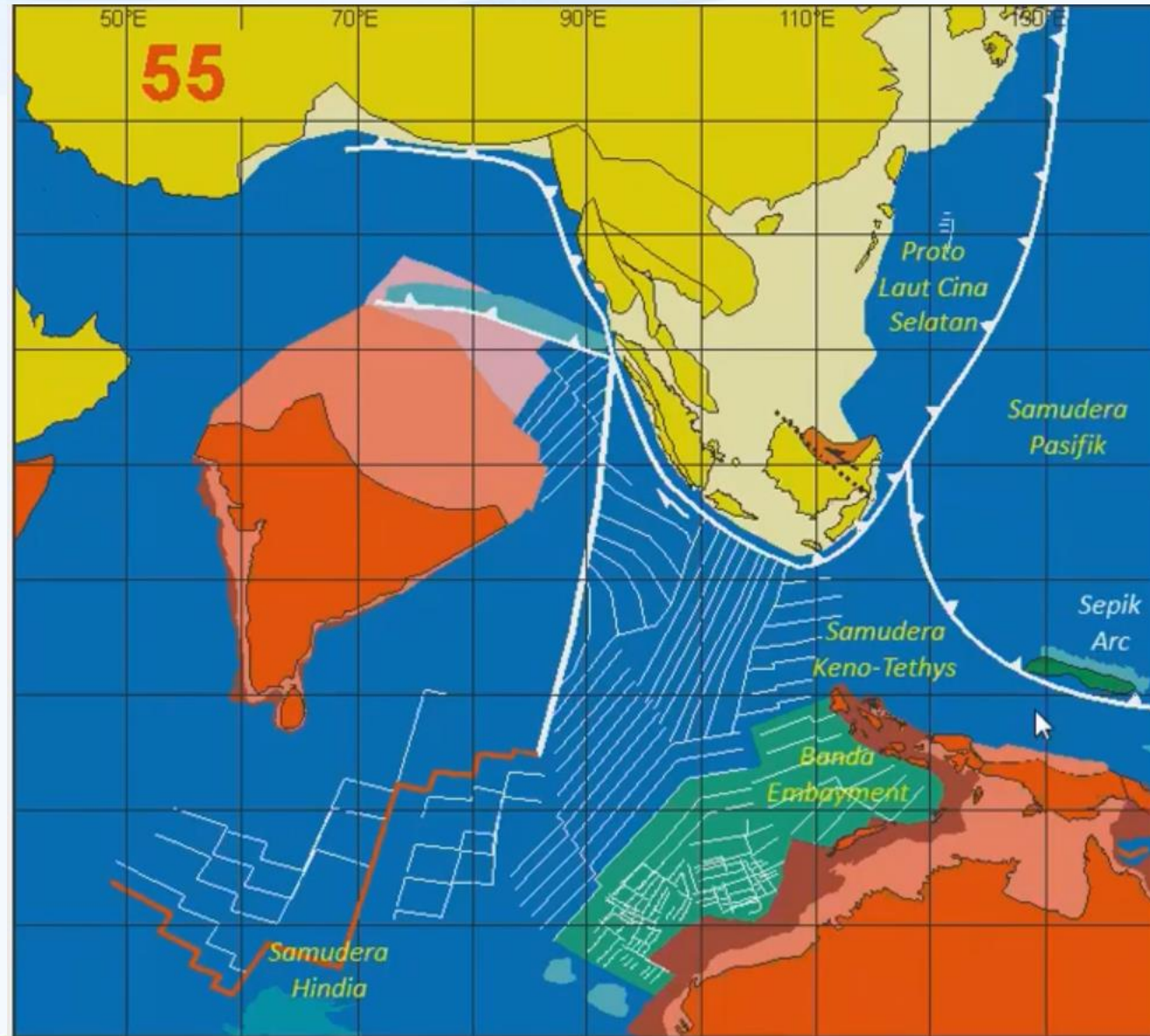


ZAMAN	KALA
Kuarter	Holosen Plistosen
Tersier	Pliosen Miosen Oligosen Eosen Paleosen
Kapur	Akhir Awal
Jura	Akhir Tengah Awal
Trias	Akhir Awal
Perm	Akhir Awal
Karbon Atas	Akhir Tengah Awal
Karbon Bawah	Akhir Awal
Devon	Akhir Tengah Awal
Silur	Akhir Tengah Awal
Ordovisium	Akhir Tengah Awal
Kambrium	Akhir Tengah Awal
Akhir Tengah Awal	2500
Akhir Tengah Awal	3800



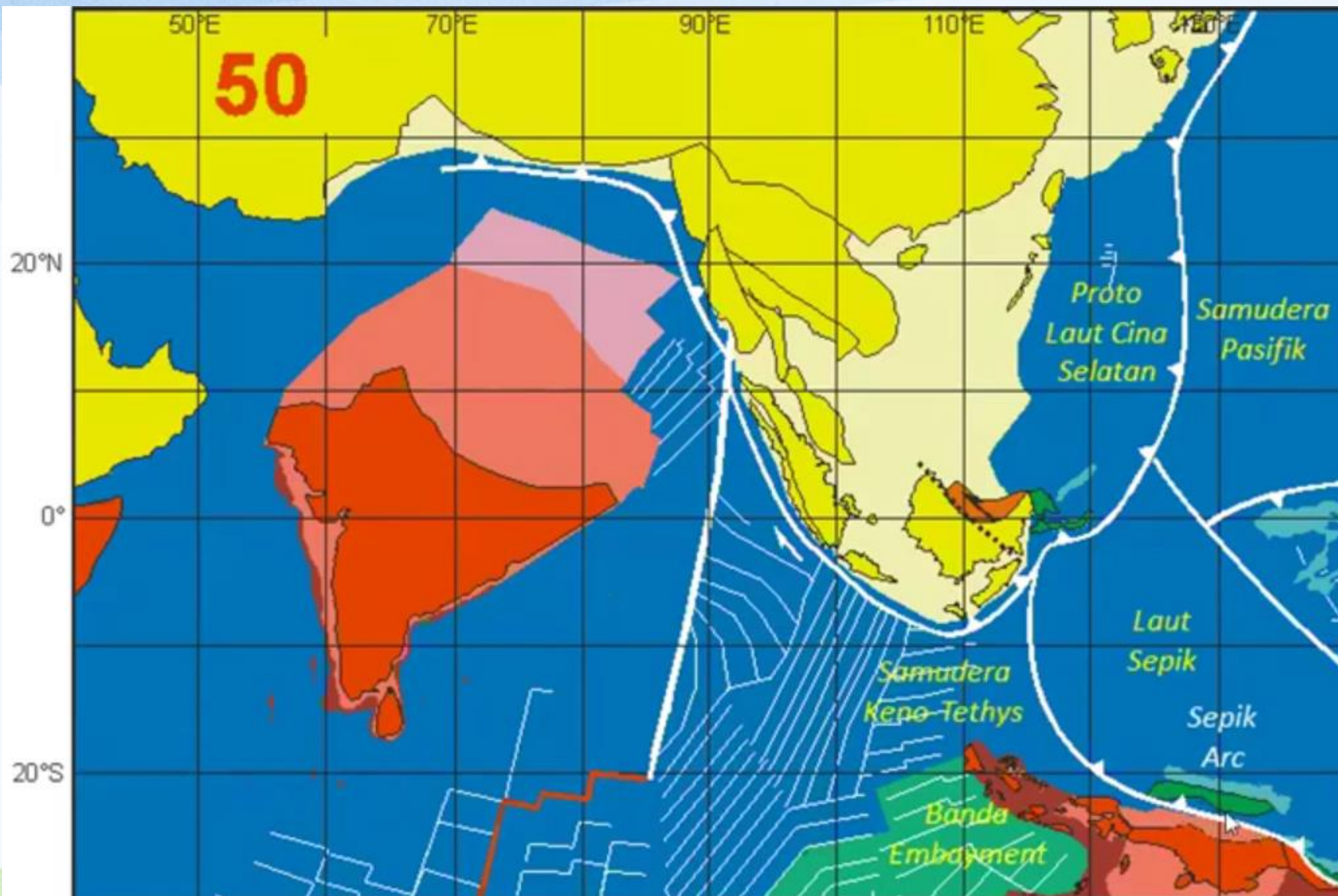


Subduksi  
di Pasific



Terbentuk  
Busur  
Sepik

# AKRESI BUSUR SEPIK PAPUA



Laut  
Caroline

Laut  
Sepik

Sepik  
Arc

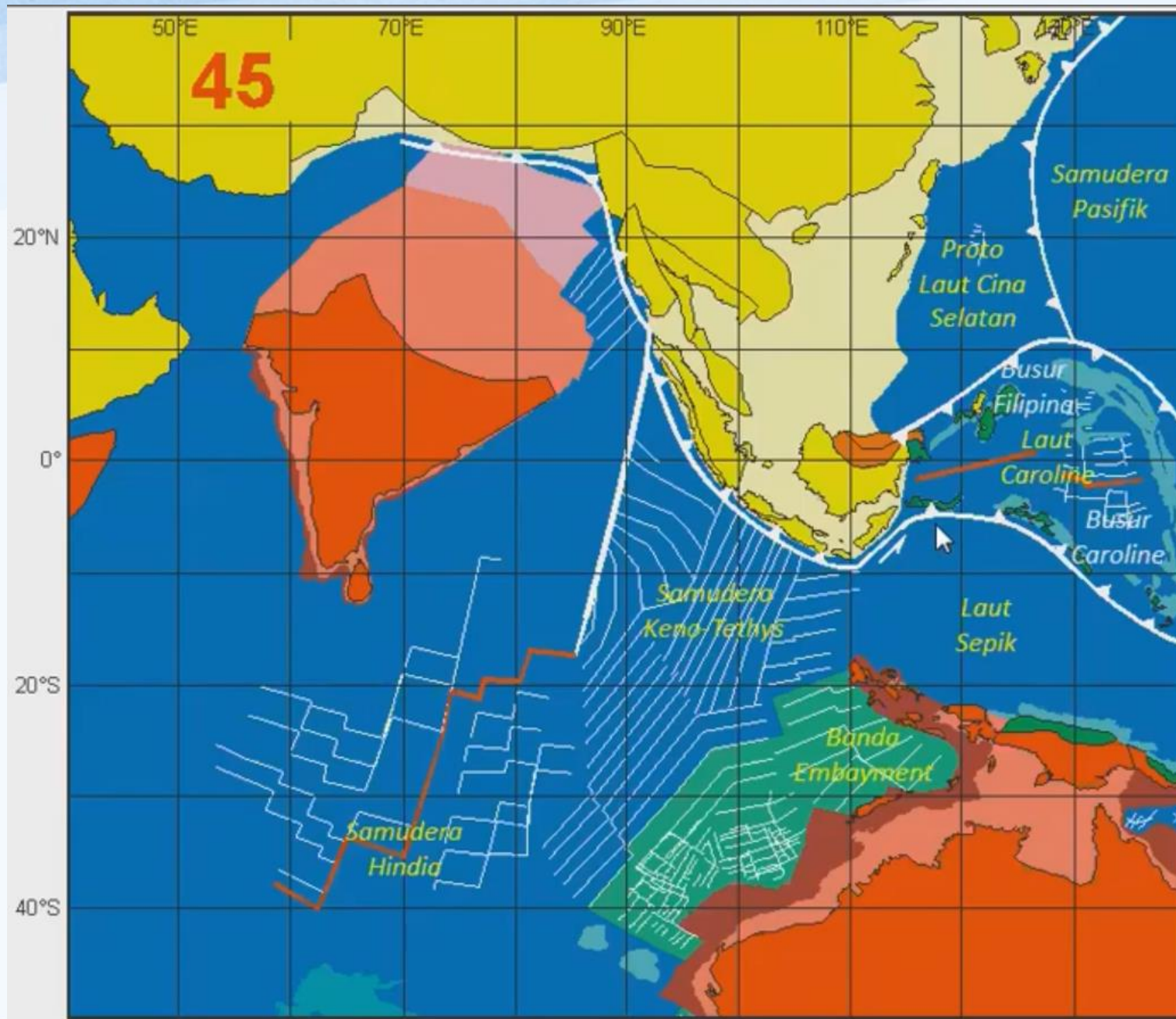
Samudera  
Koro-Tethys

Banda  
Embayment

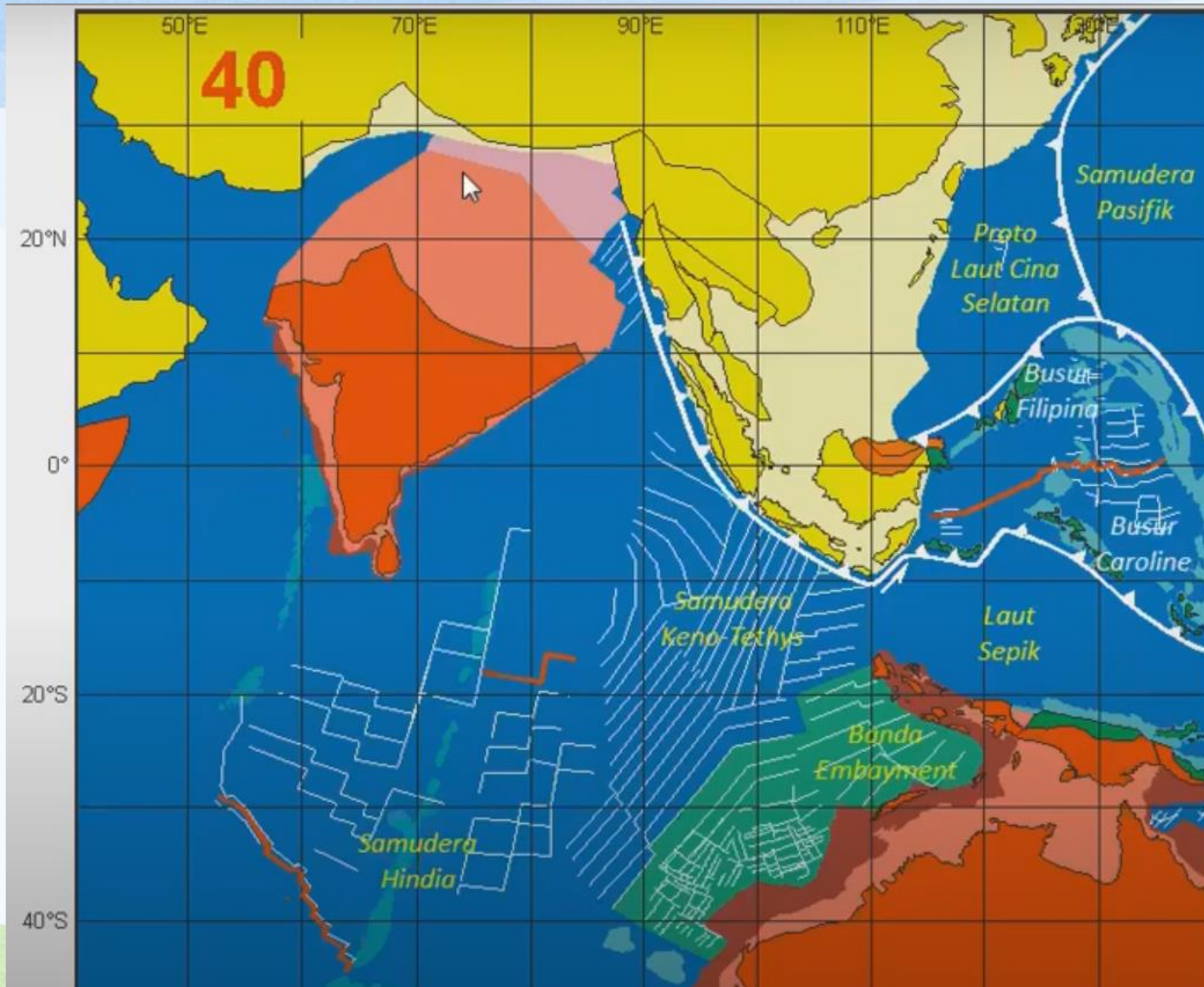
Proto  
Laut Cina  
Selatan

Samudera  
Pasifik

50

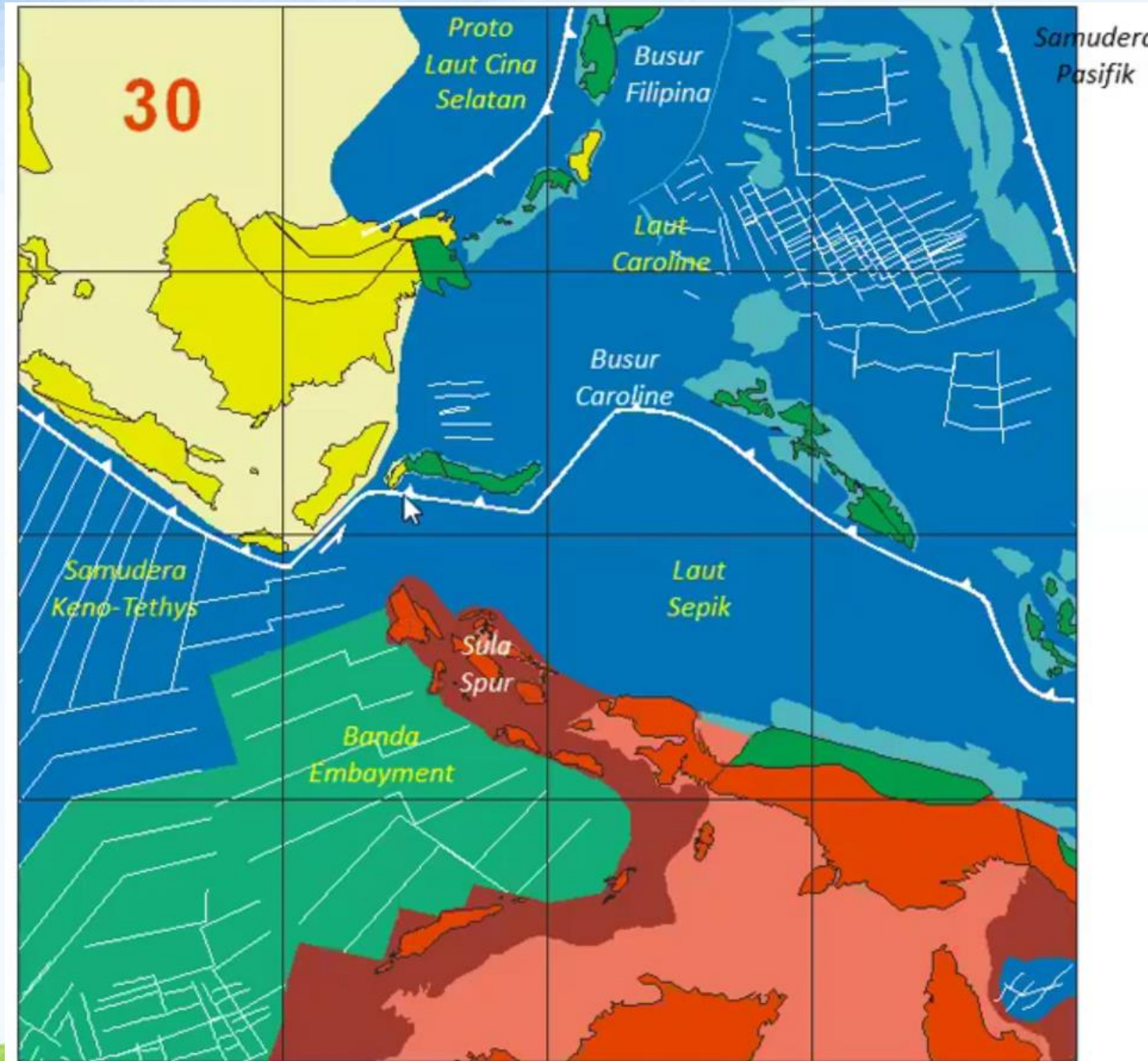


Pemekaran  
Caroline dan  
perenggangan  
Selat Makassar

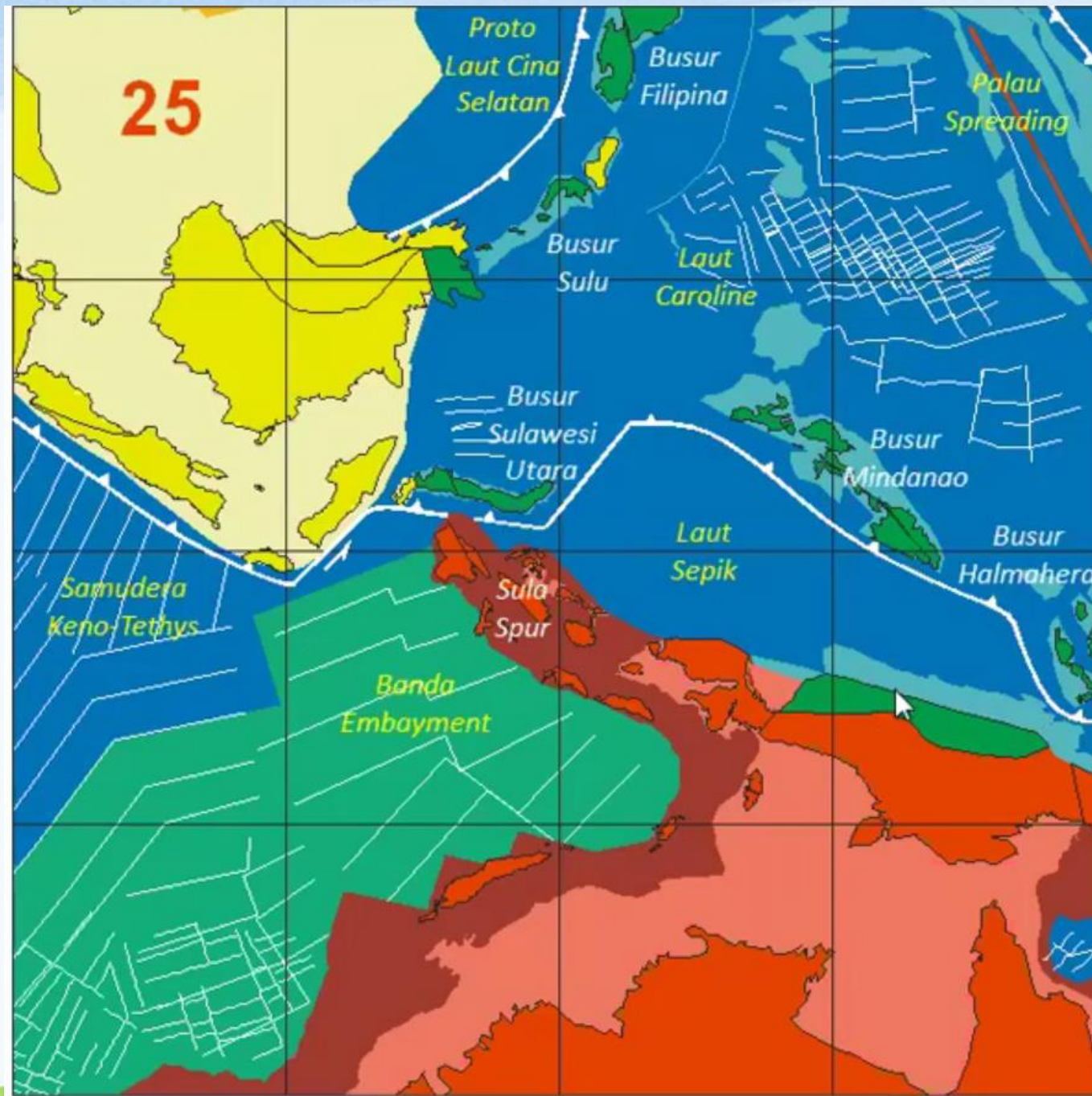








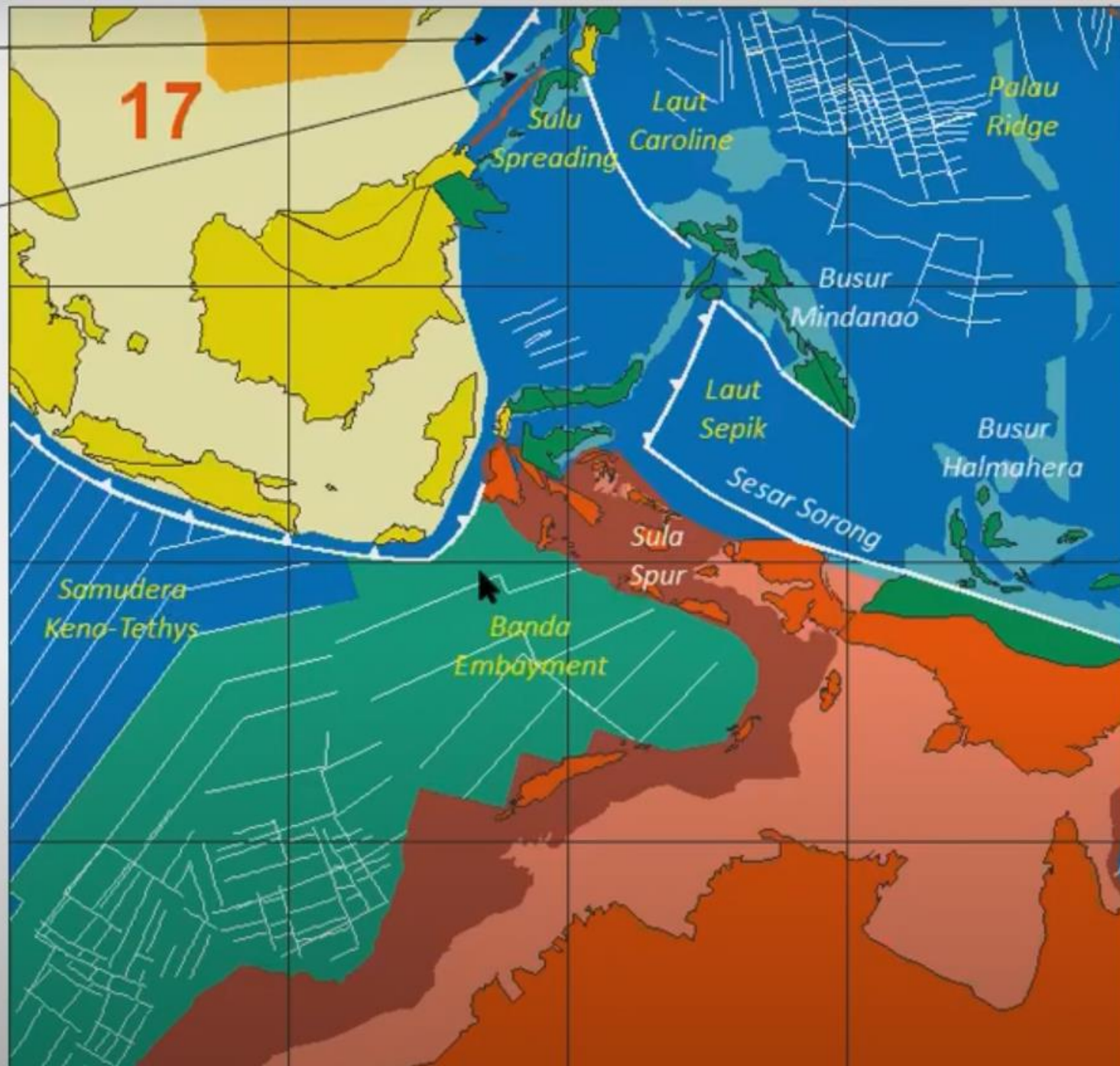
Berhentinya  
Pemekaran  
Laut Caroline

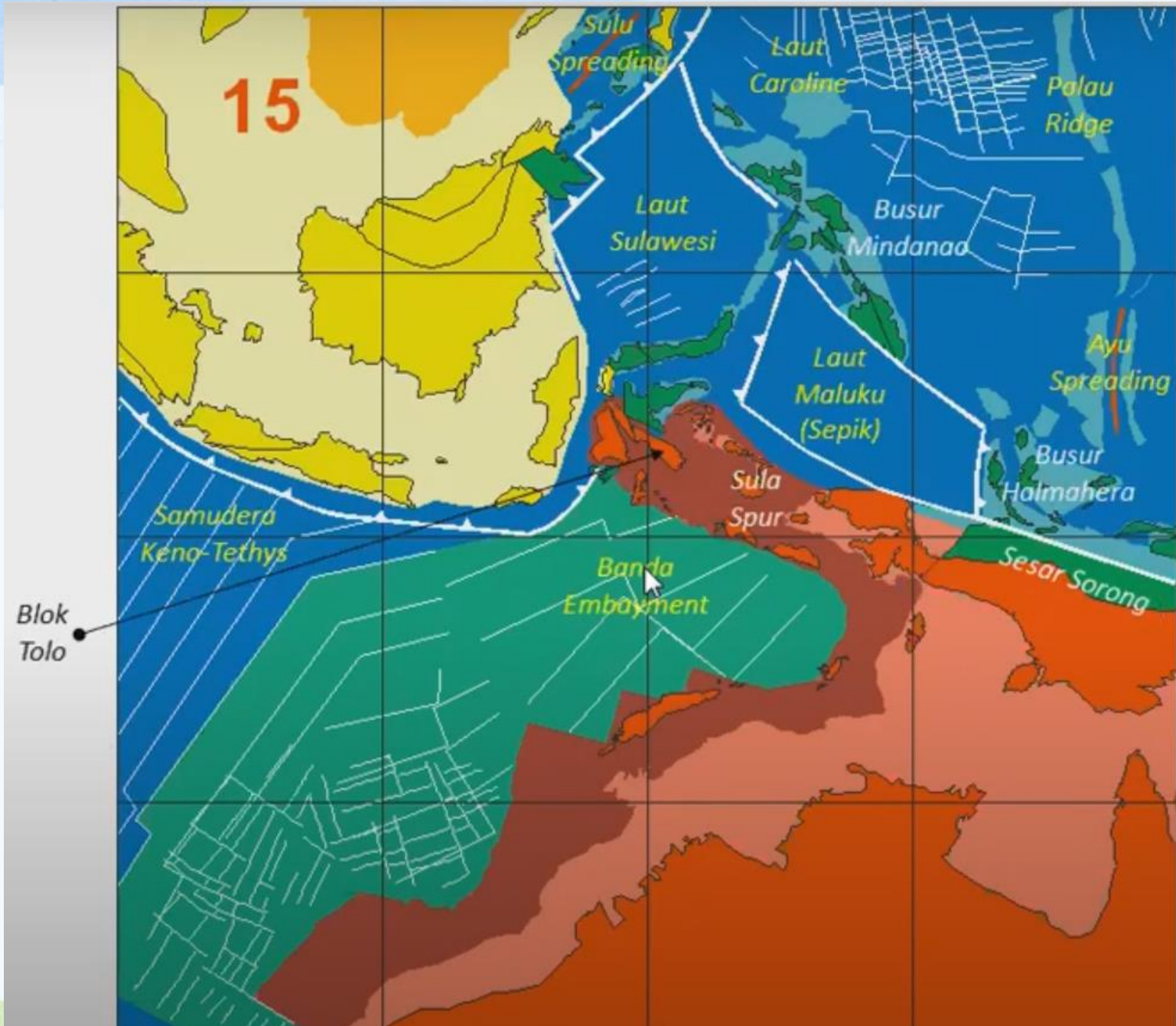


Kolisi spur  
Sula dengan  
Busur Sulawesi  
Utara

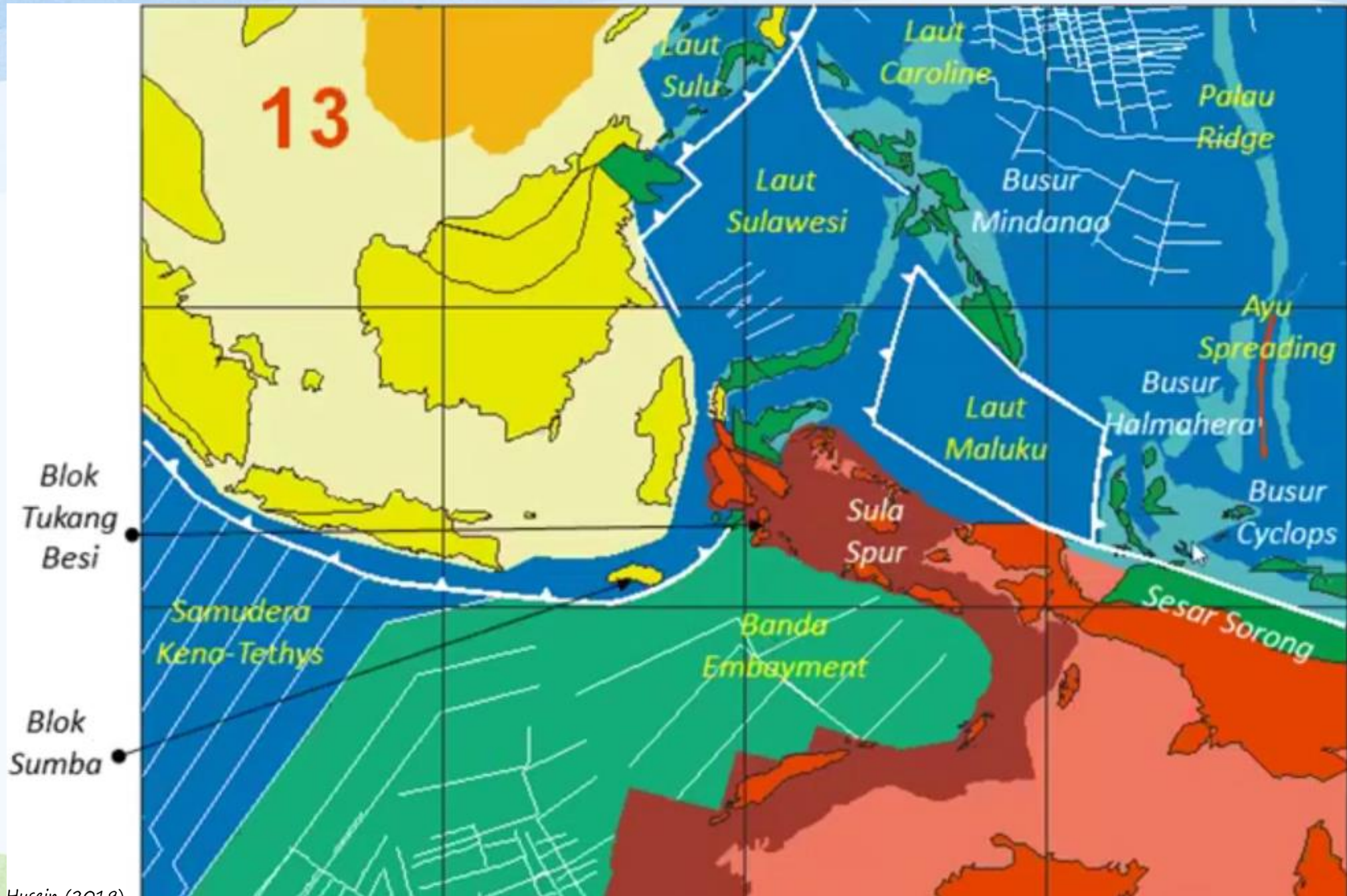
Proto  
Laut Cina  
Selatan

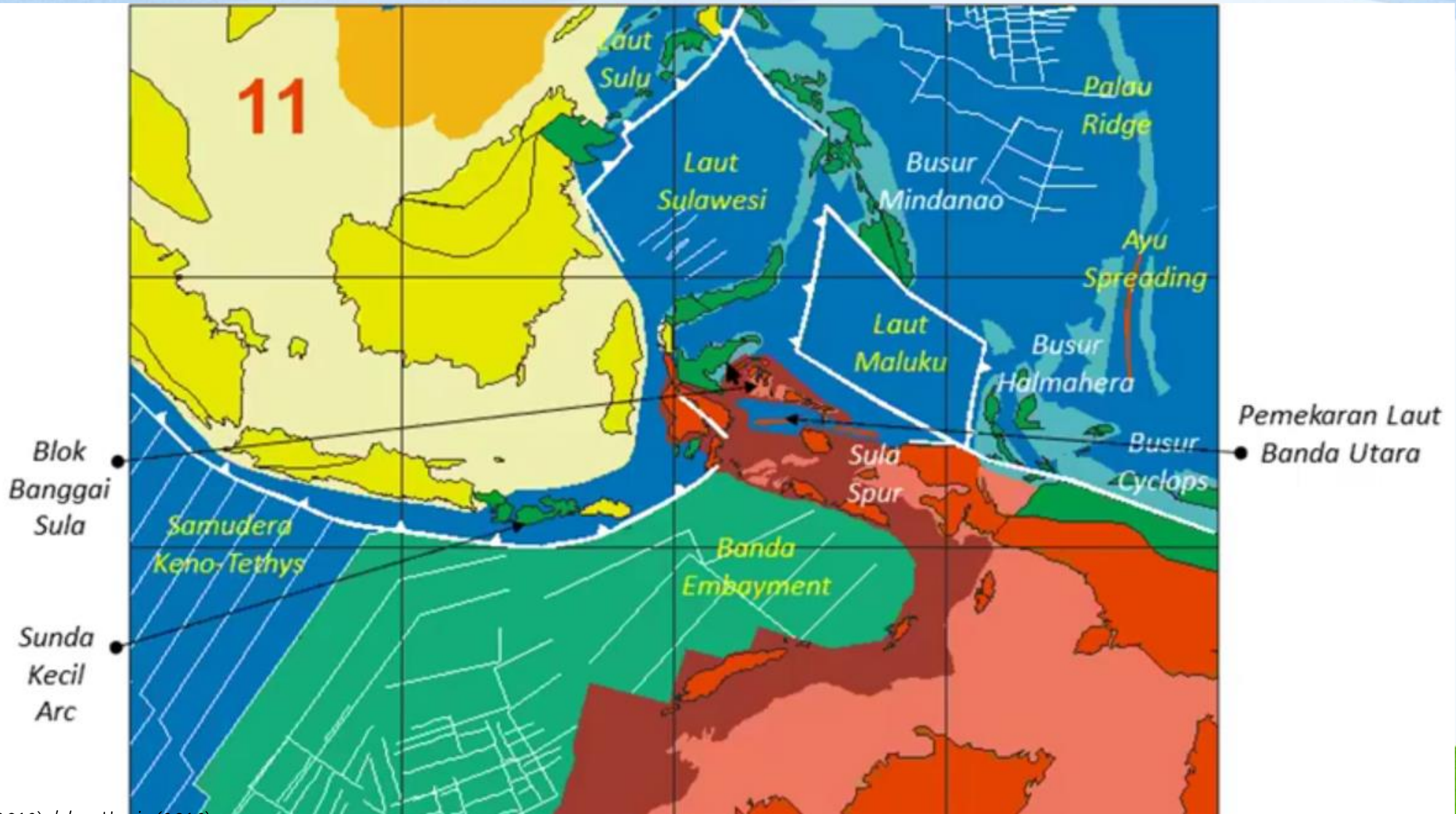
Busur  
Palawan



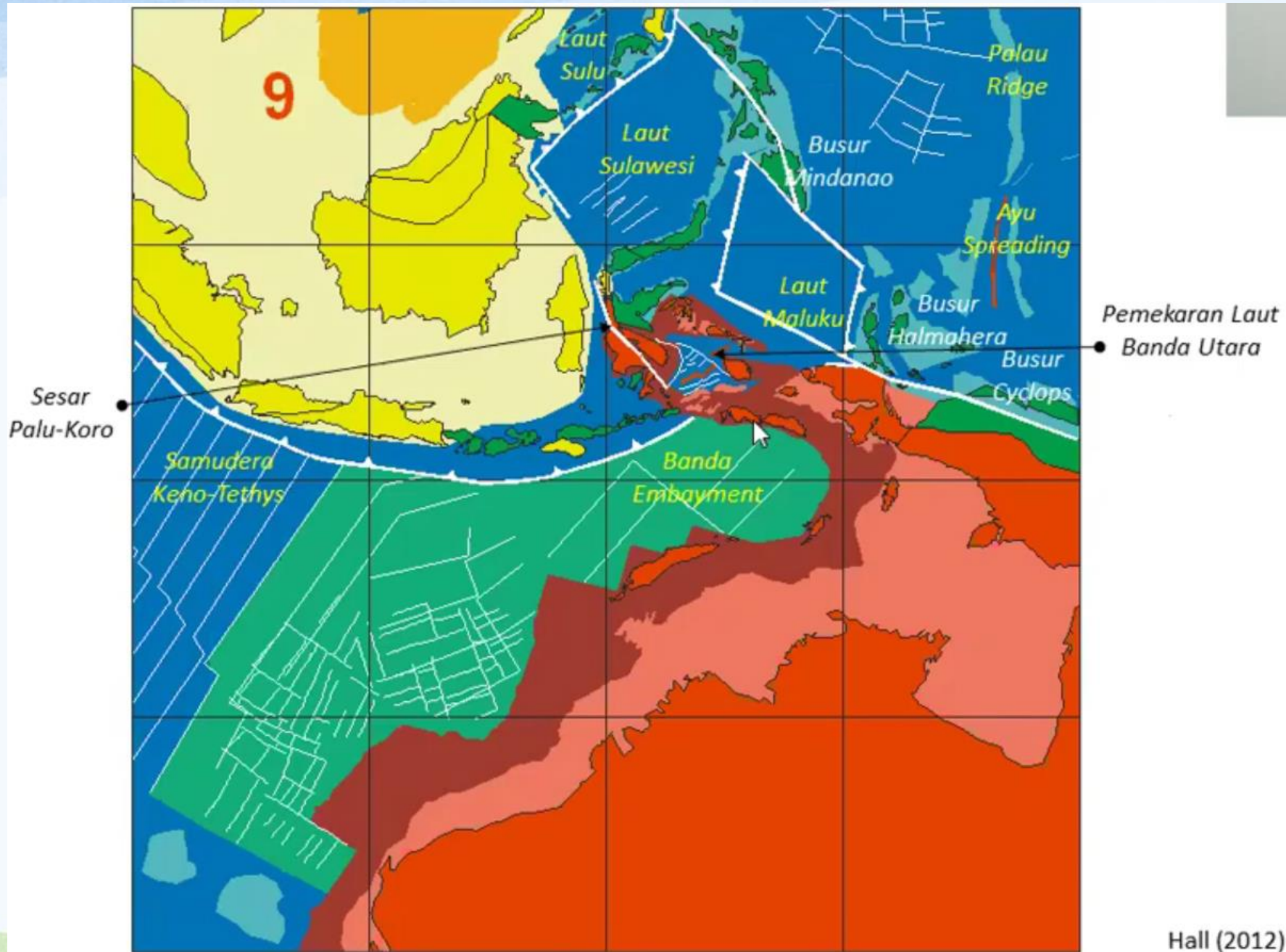


Pembentukan Laut Sulawesi dan Maluku



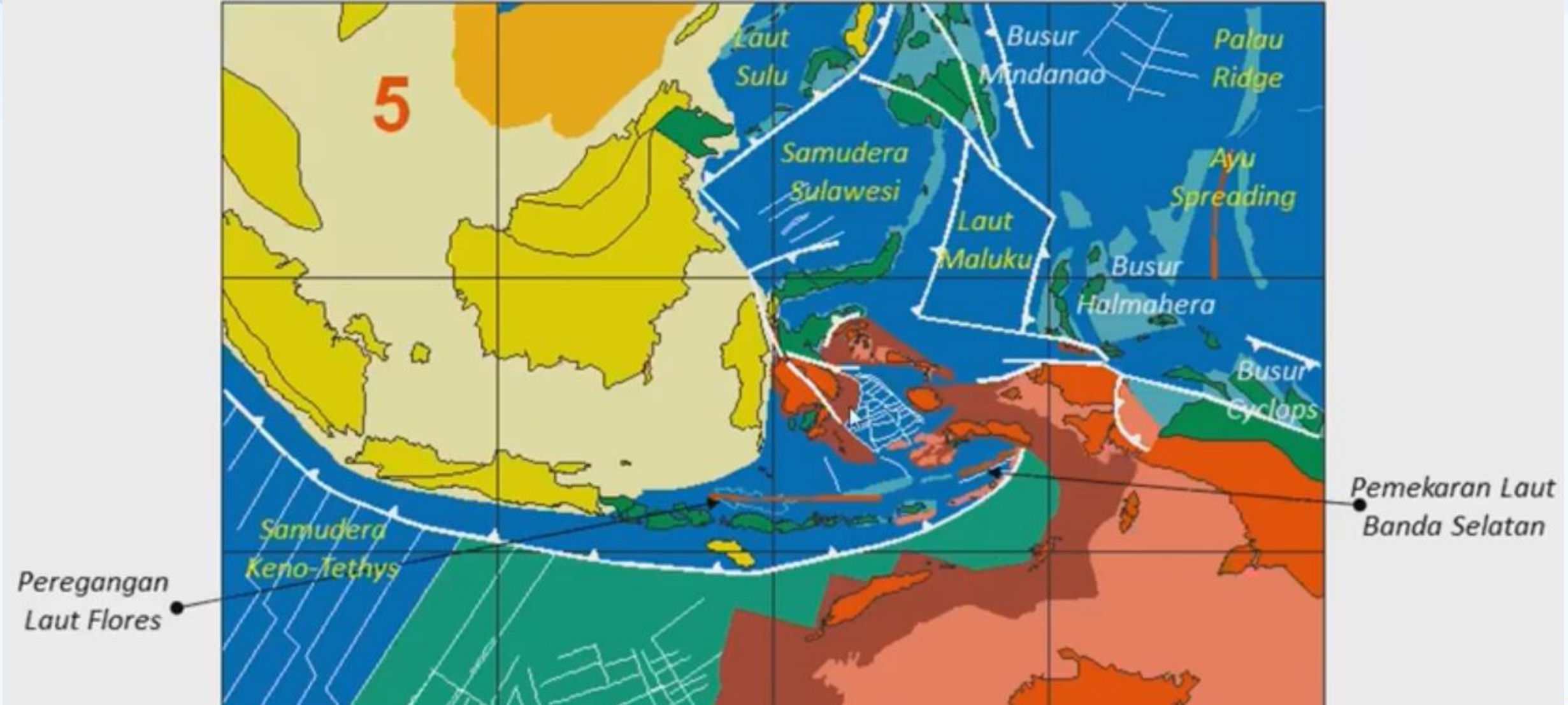


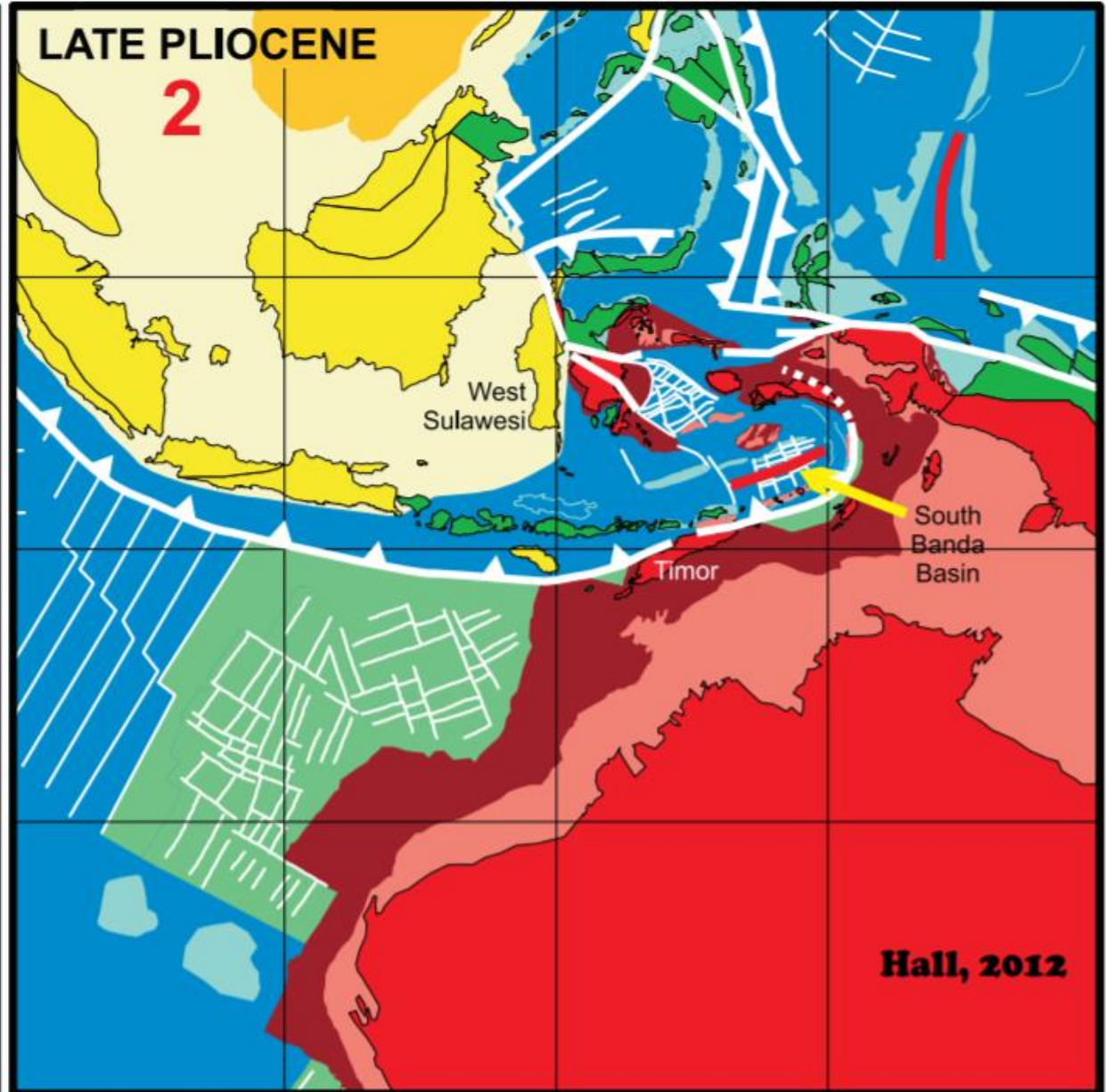
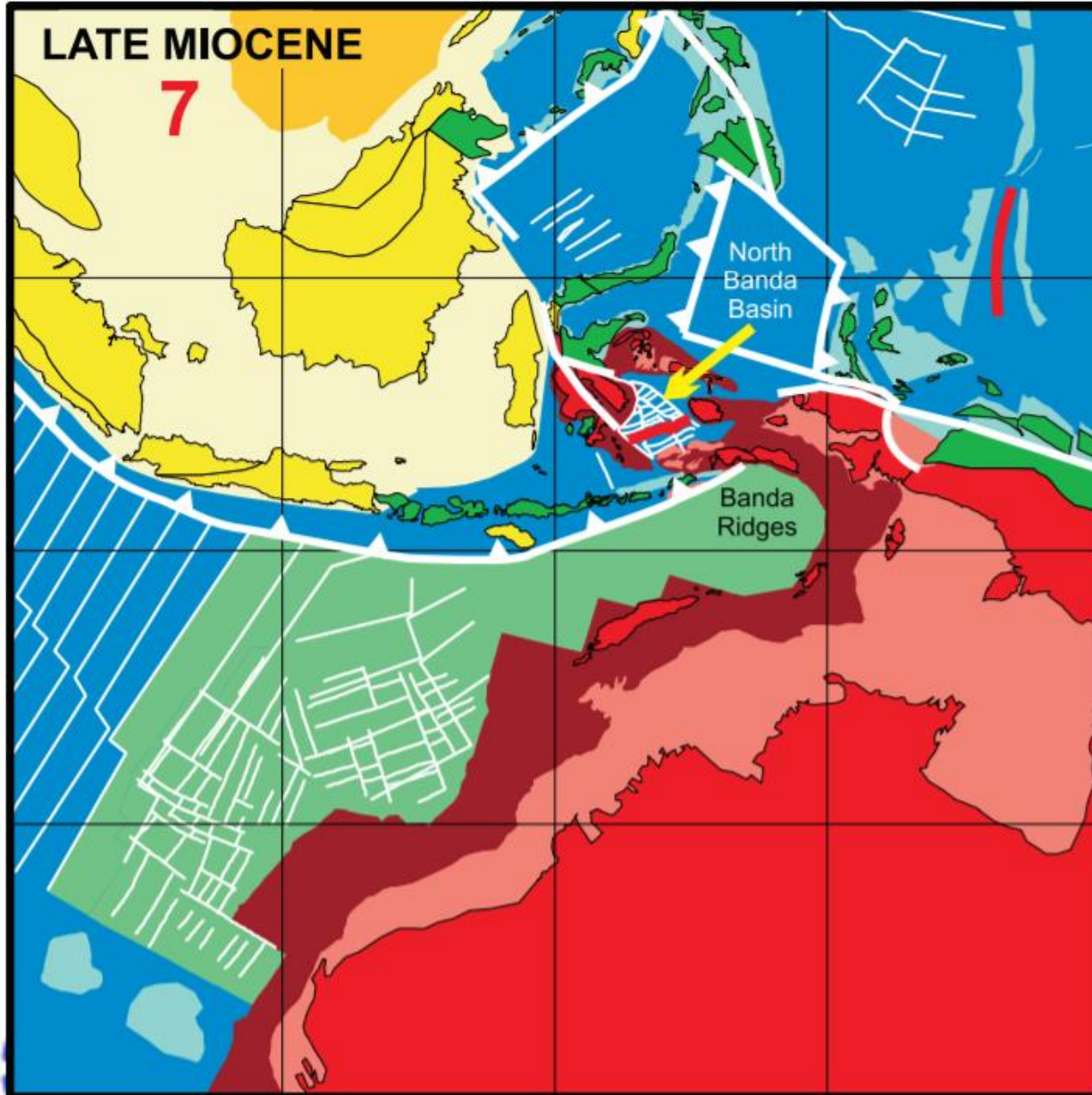
Hall (2012) dalam Husein (2014)



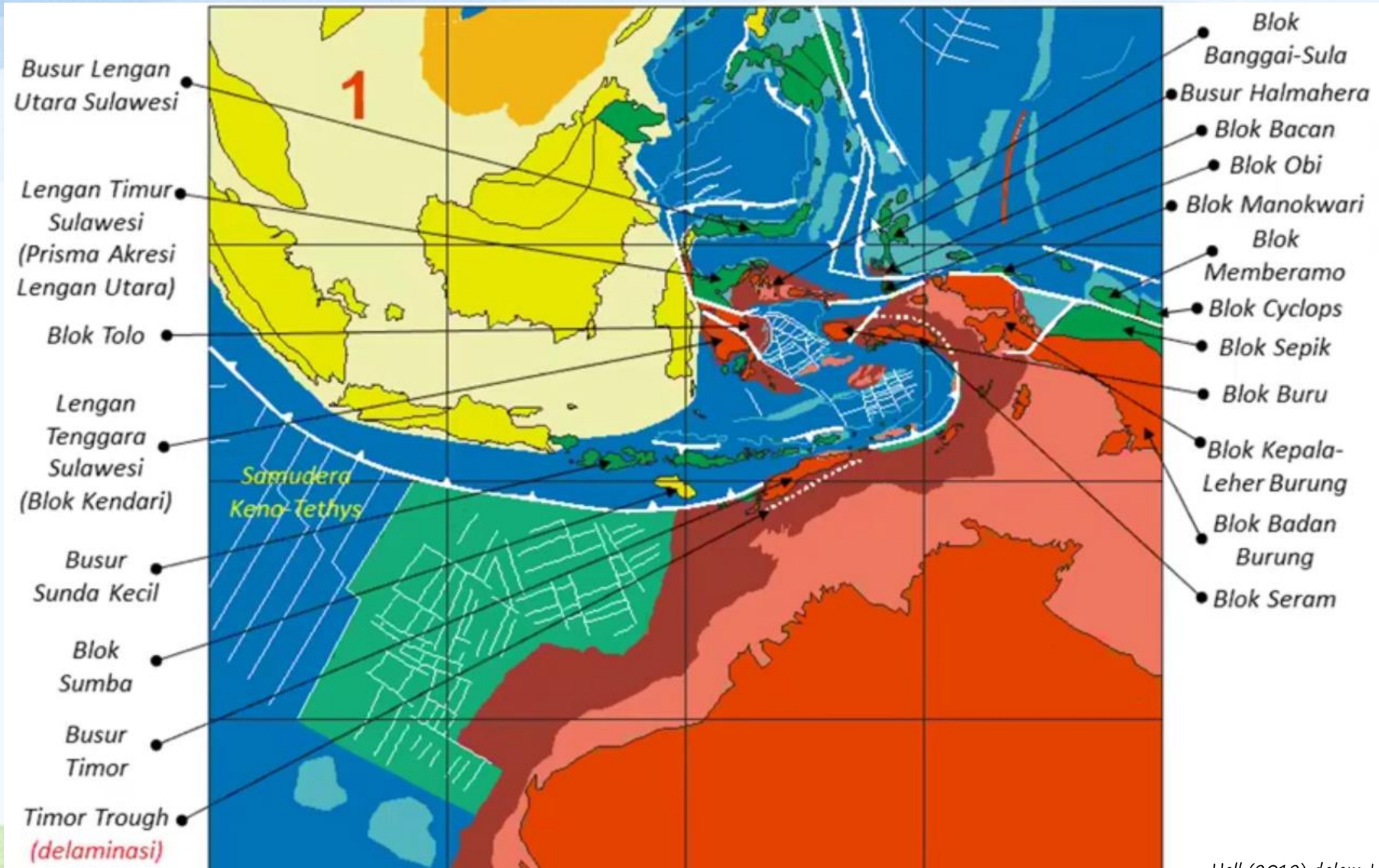
Hall (2012)

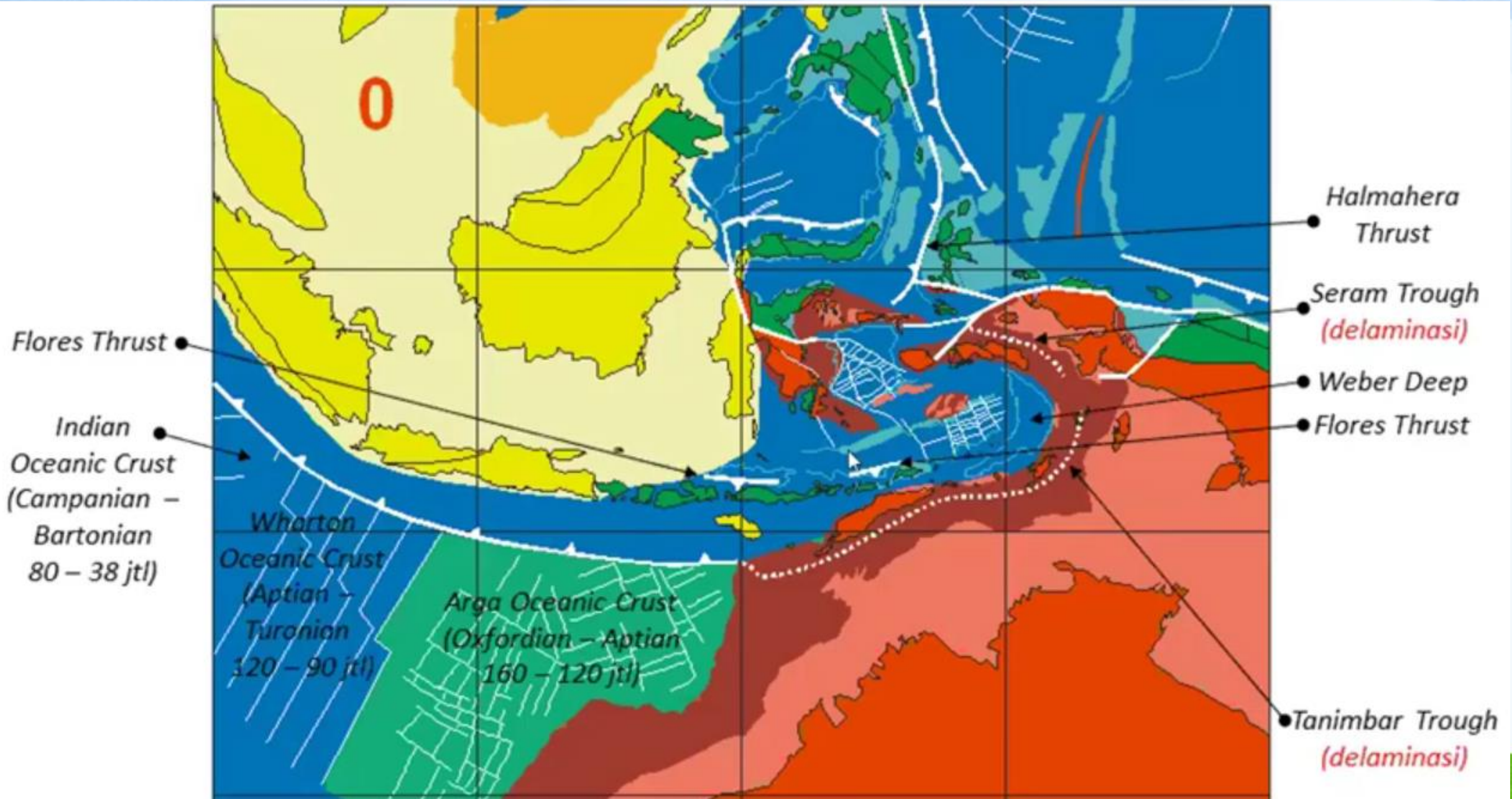




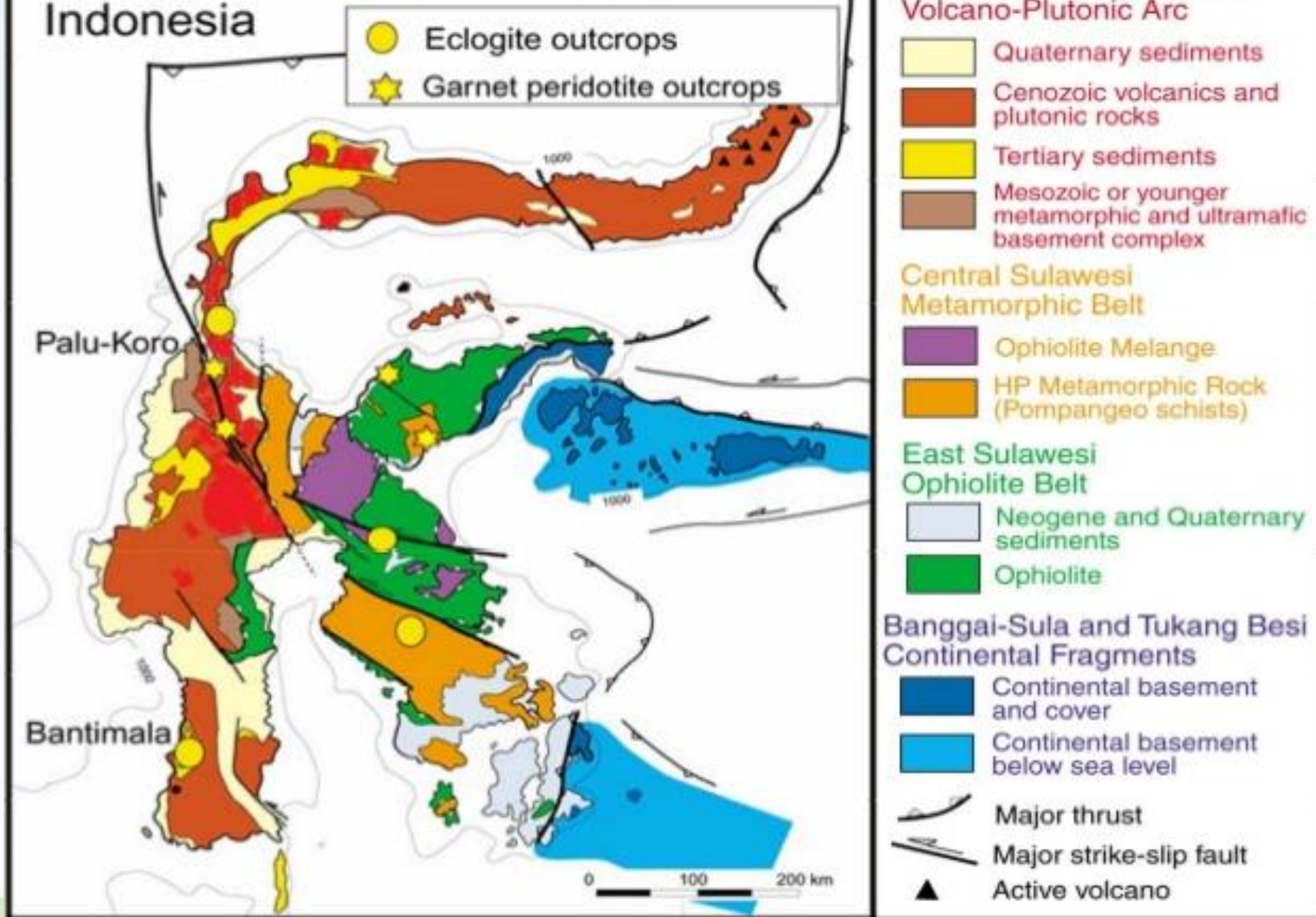


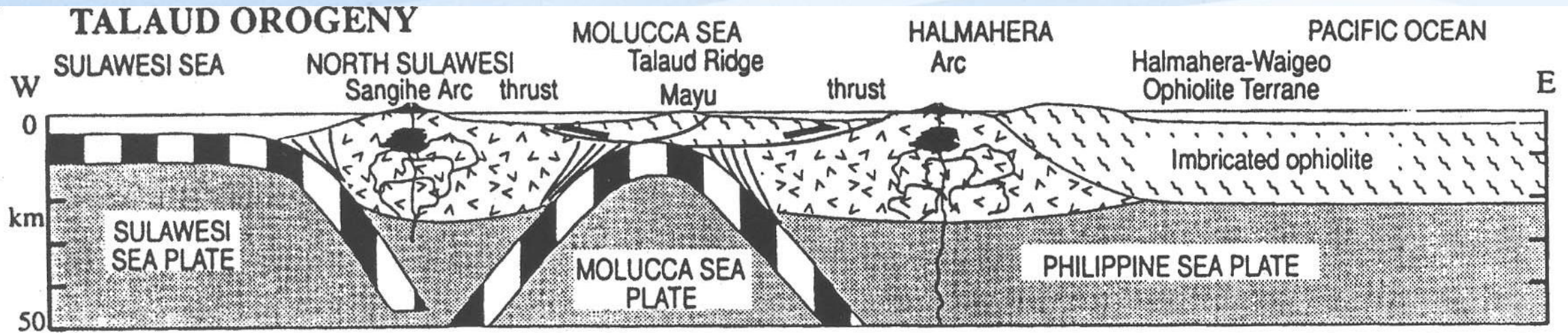
Hall, 2012



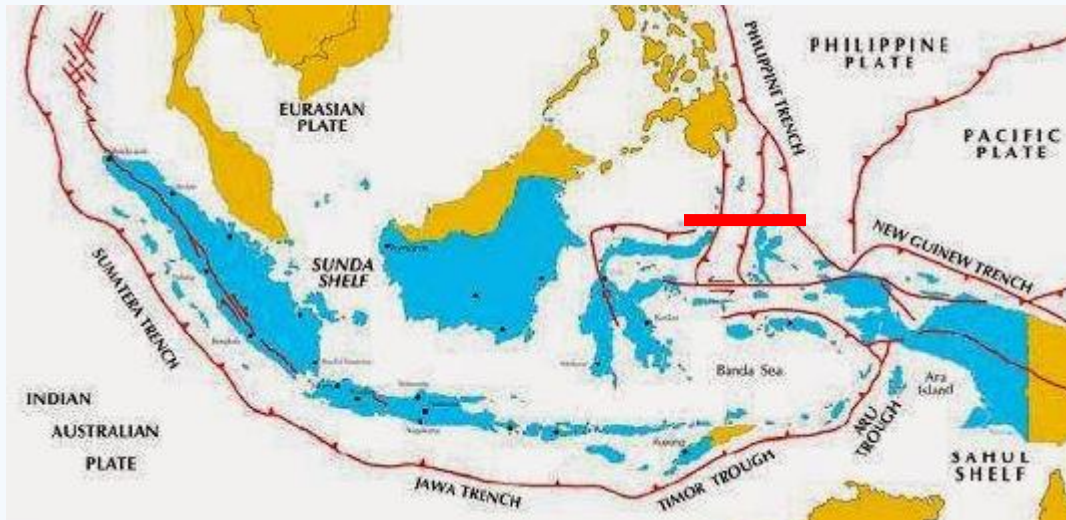


# Geological Map of Sulawesi, Indonesia



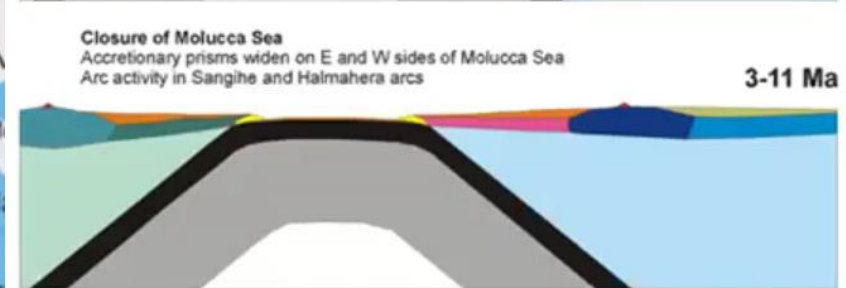
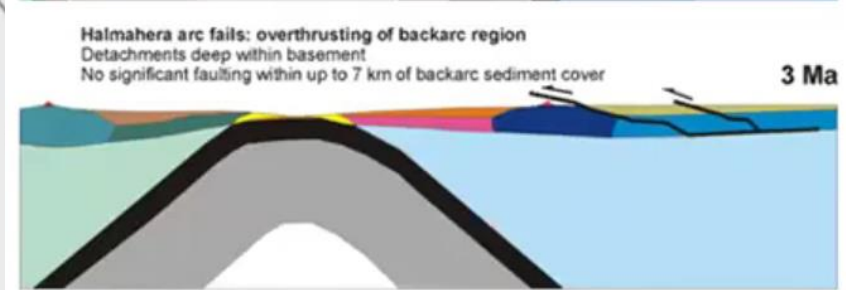
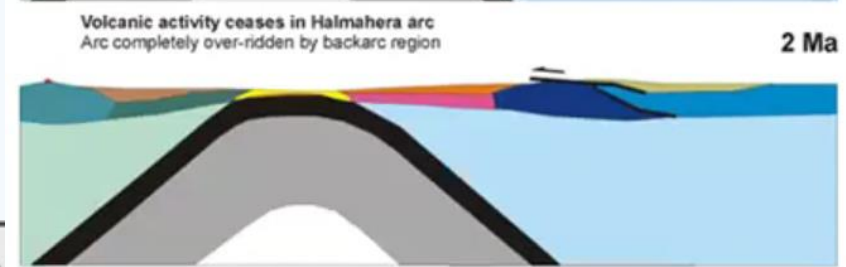
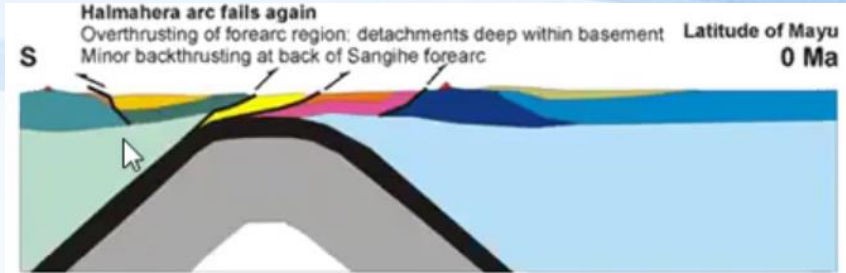
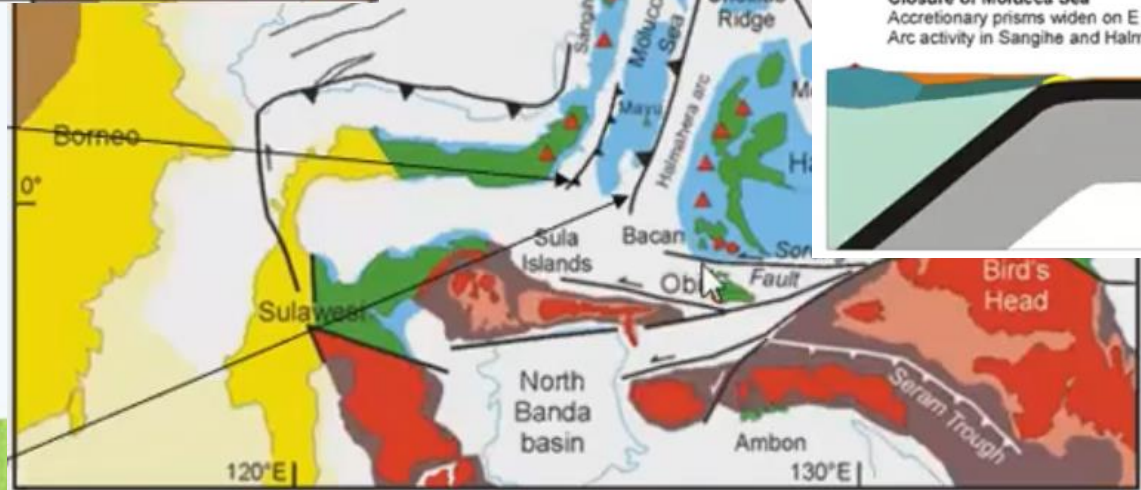
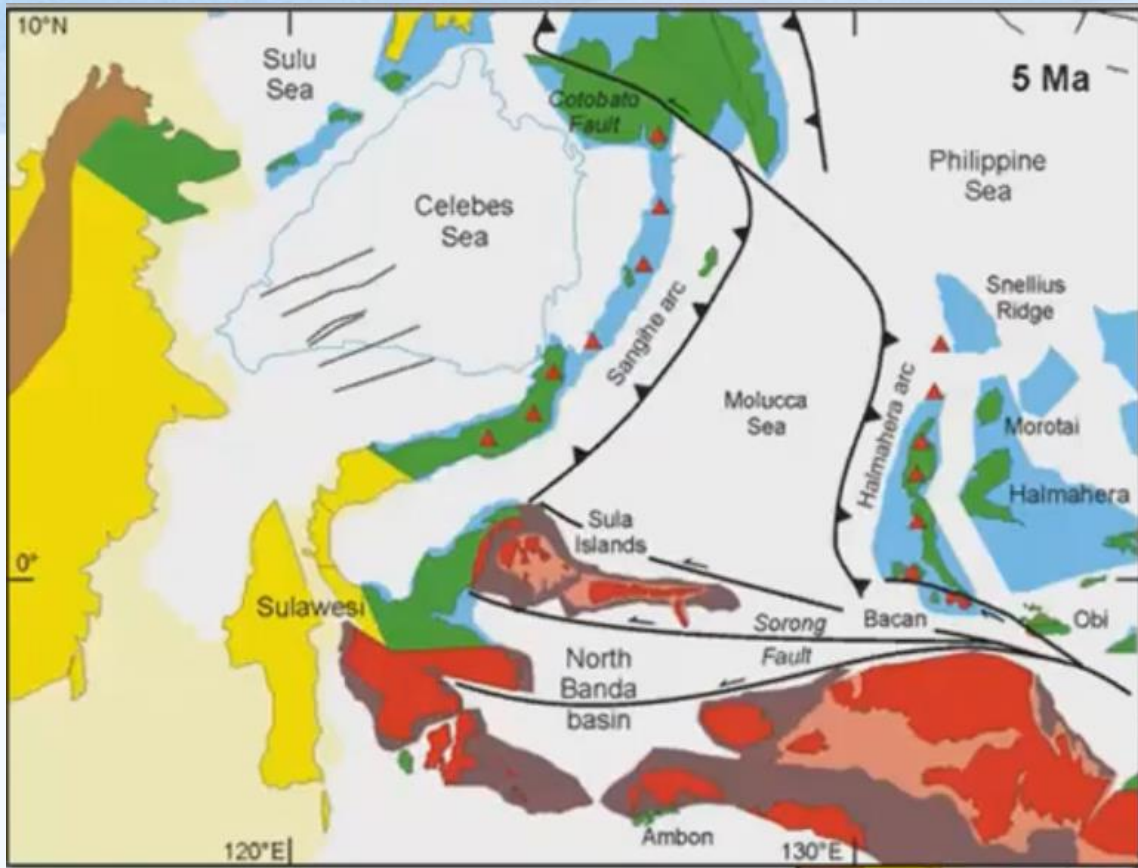


(c)



*Orogen Talaud (Talaud Orogeny) di bagian utara Laut Maluku:*

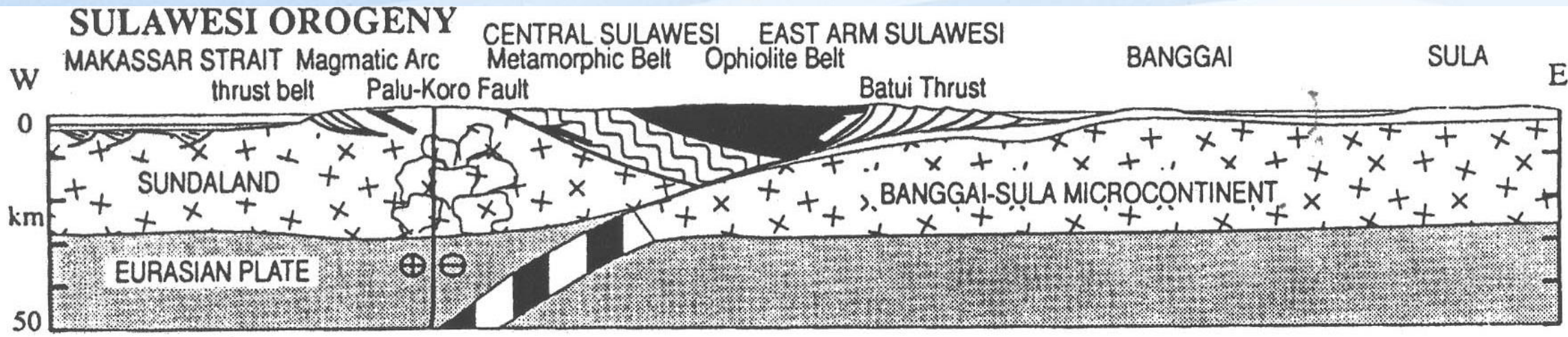
*konvergensi busur magmatik oceanic Sangihe dan Halmahera dengan Lempeng Laut Maluku*



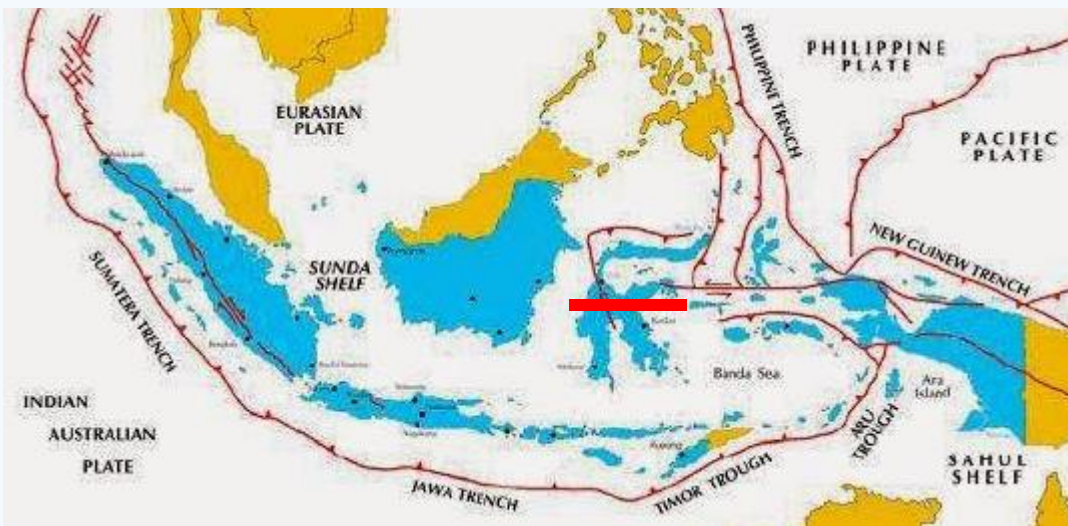
Konstruksi  
subduksi ganda  
Laut Maluku

Halmahera

Sangihe

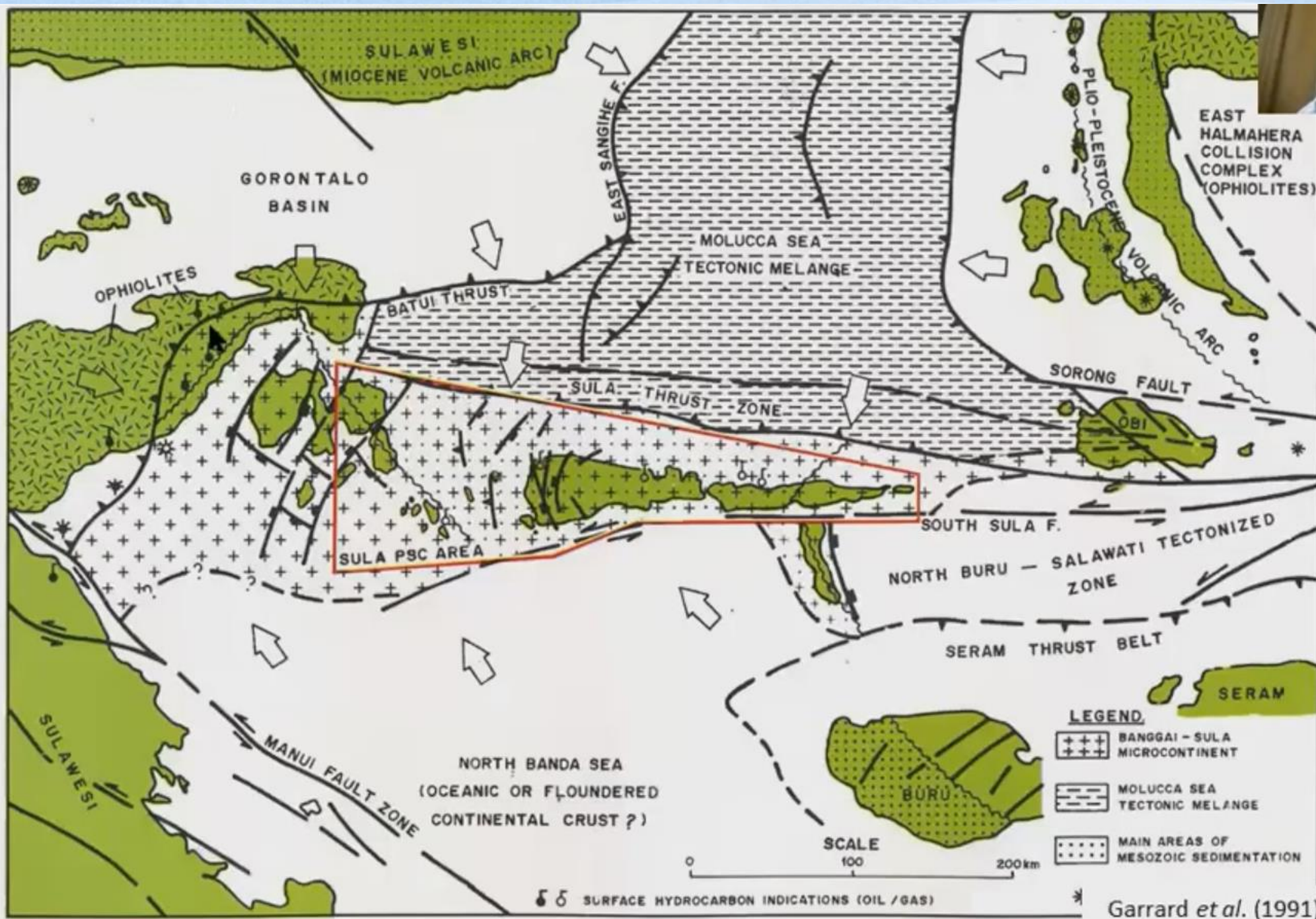


(d)



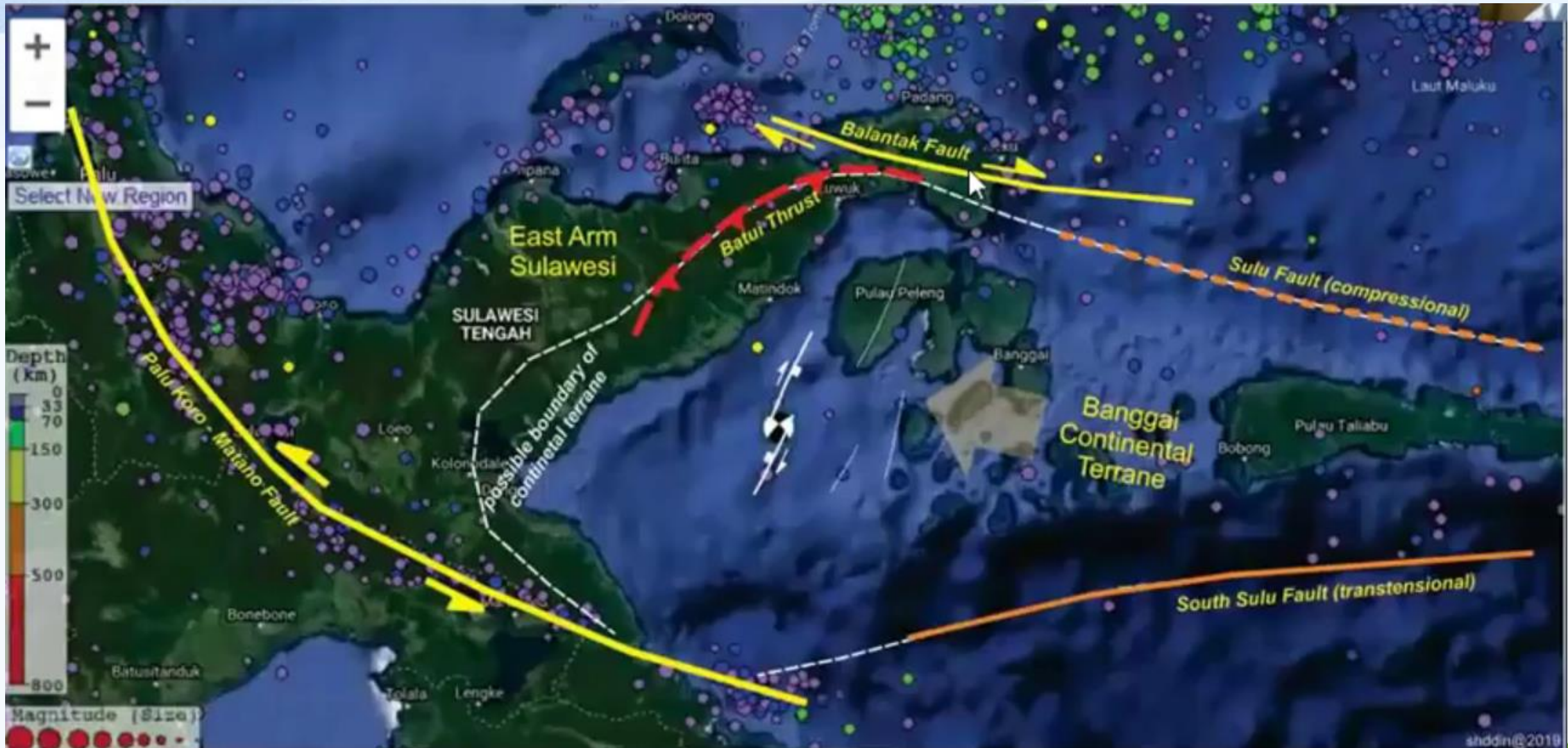
*Orogen Sulawesi (Sulawesi Orogeny) di Sulawesi timur : tumbukan blok-blok mikrokontinen dengan sistem subduksi di sepanjang tepi timur Sundaland.*





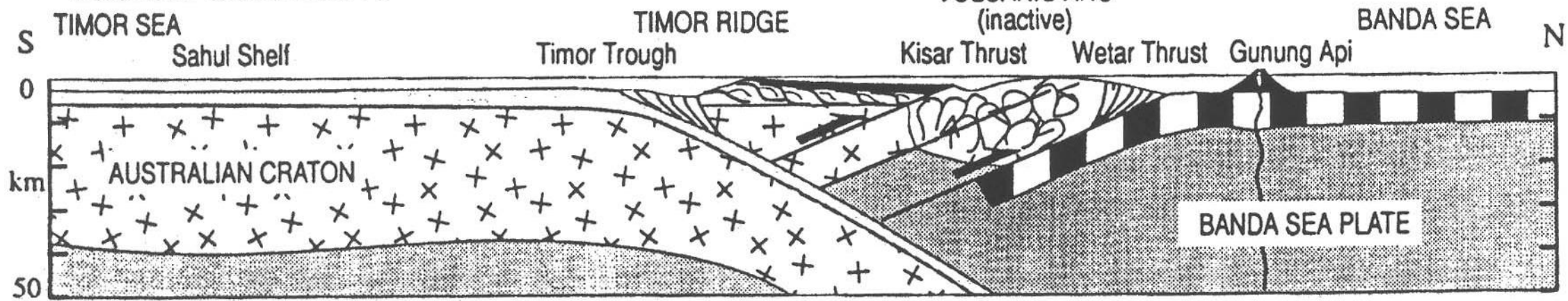
Garrard et al. (1991)

Lengan timur Sulawesi dan blok Banggai Sula

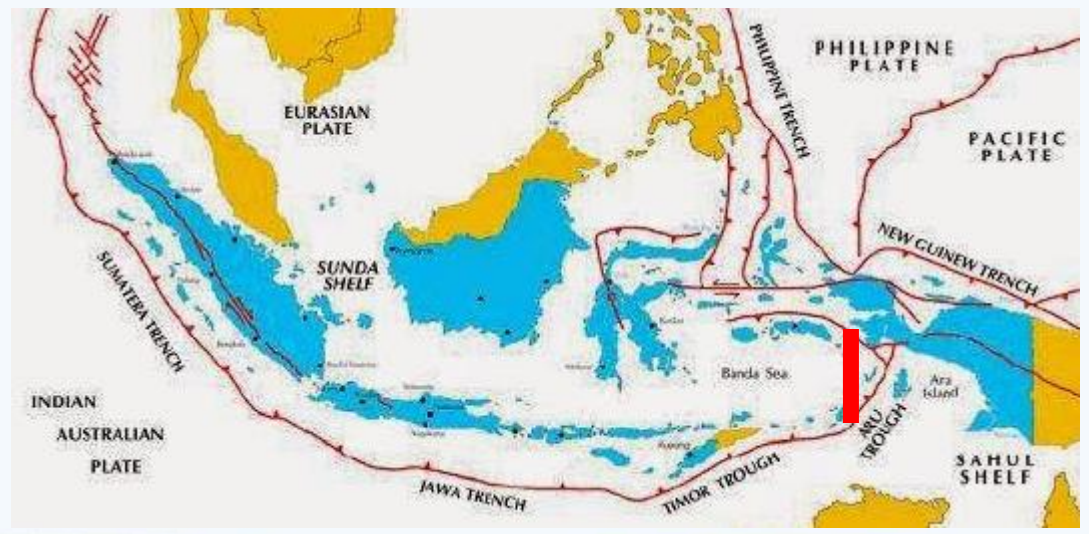


ahddin@2019

# BANDA OROGENY



(e)

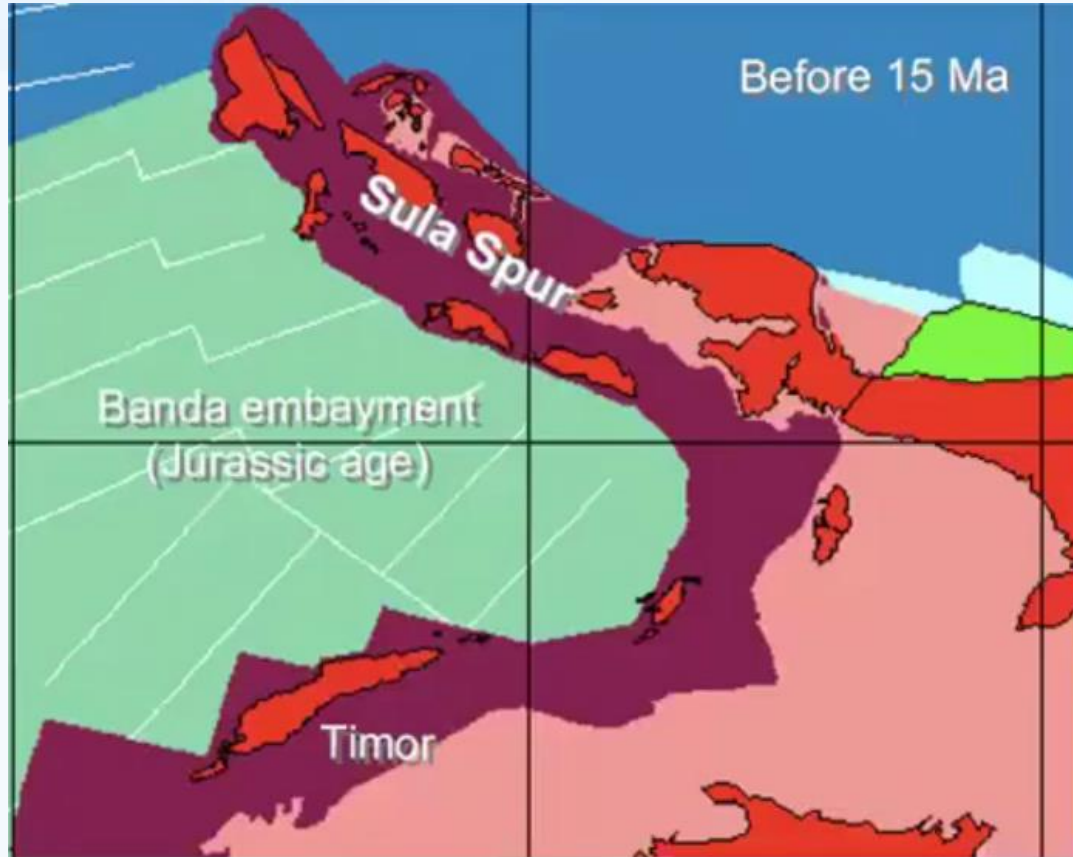


Orogen Banda (*Banda Orogeny*) di Kepulauan Banda, di wilayah antara Pulau Sumba dan Tanimbar : tumbukan antara tepi utara kontinen Australia dengan sistem subduksi di sepanjang bagian selatan Busur Banda.

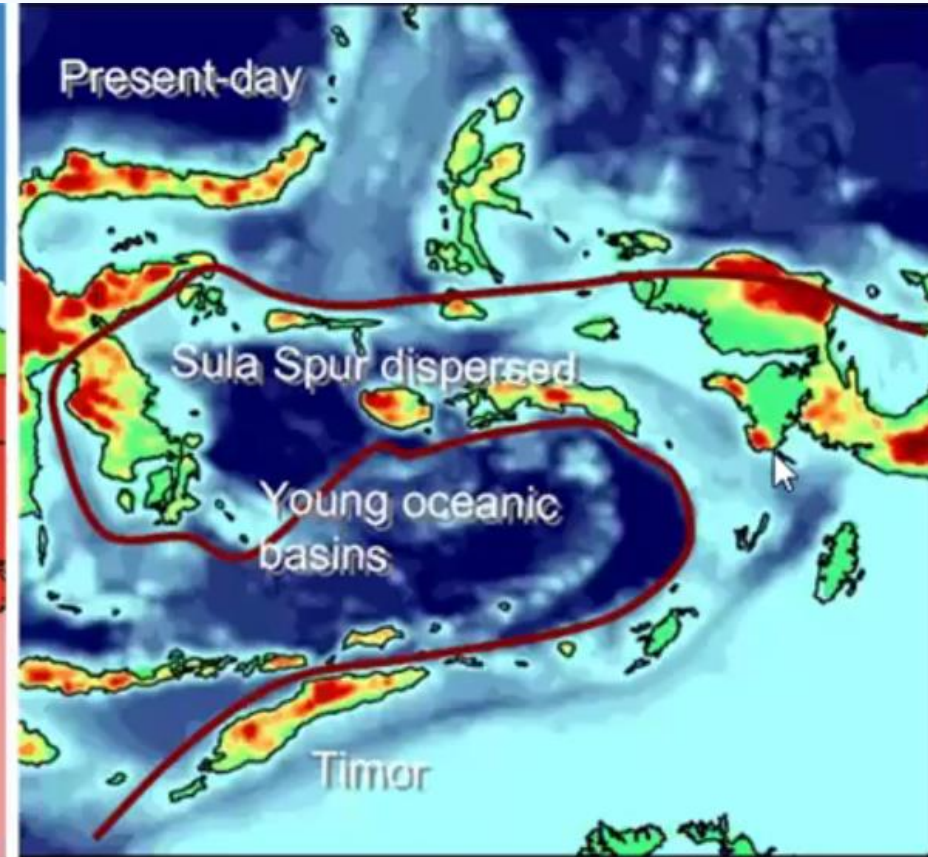
(Simandjuntak & Barber, 1996)

## Pembentukan Laut Banda

→ Kerak Samudera Proto Banda (Yura / 160 juta th) digantikan kerak Samudera Banda berumur Neogen (<12 juta tahun)



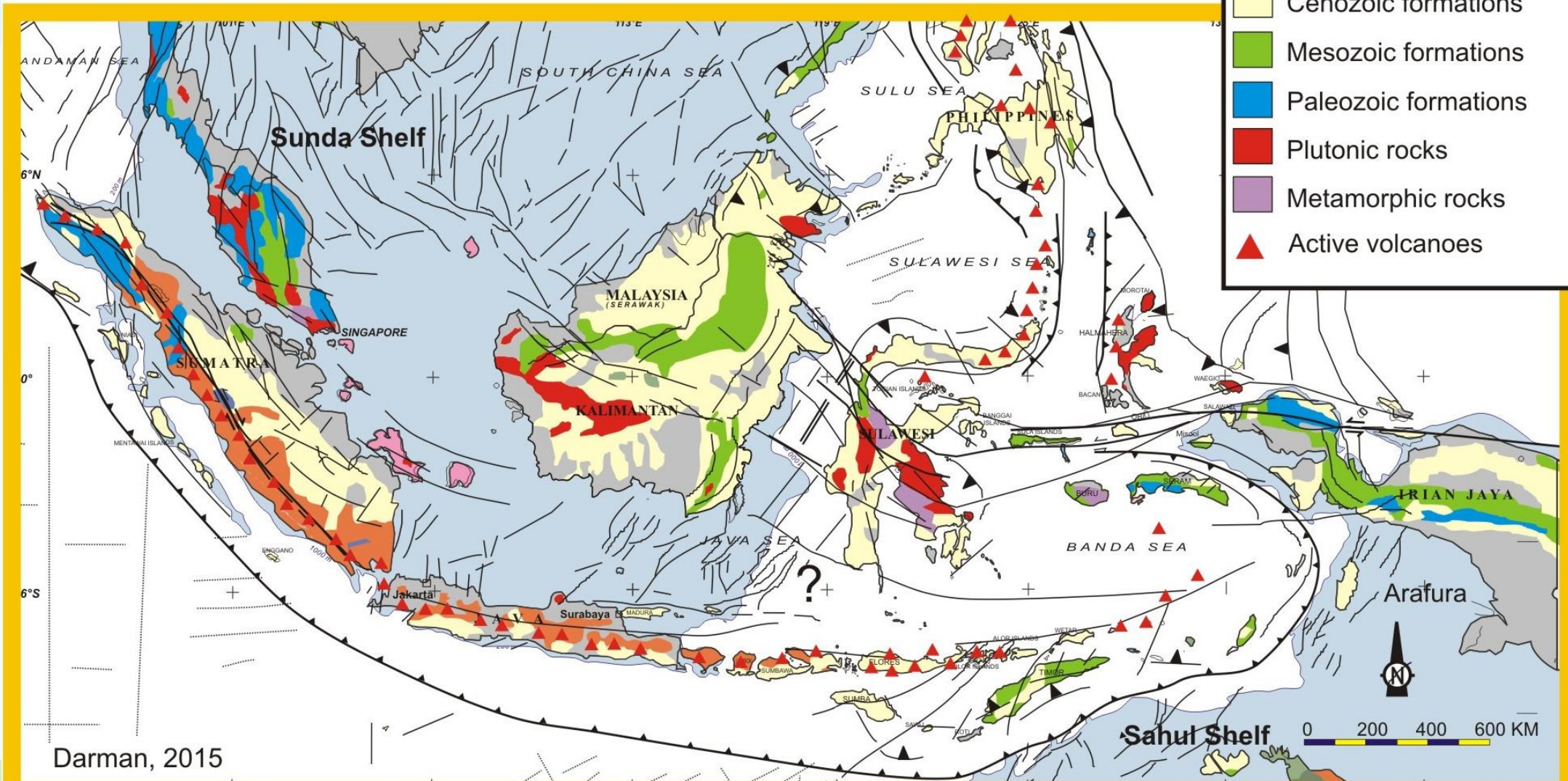
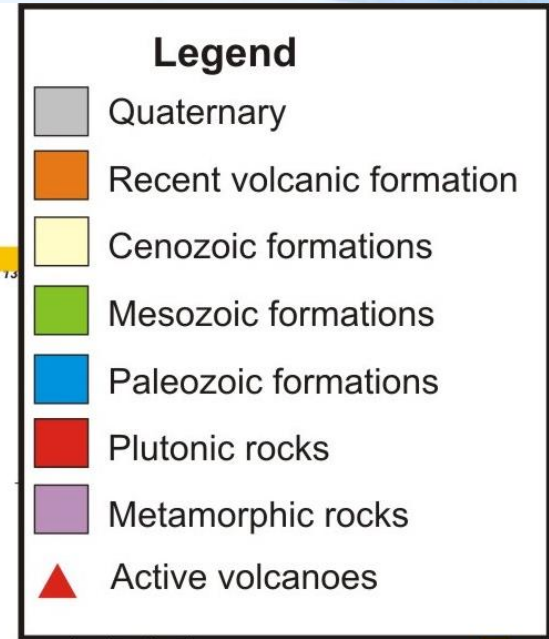
kerak samudera Proto-Banda dikelilingi oleh kerak benua Australia



garis merah menunjukkan posisi sebaran kerak Benua Australia saat ini

(Hall, 2010)

# REGIONAL GEOLOGY OF INDONESIA



Darman, 2015