

Mencipta layout menggunakan ArCMap

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Kementerian Air Tanah dan Sumber Asli



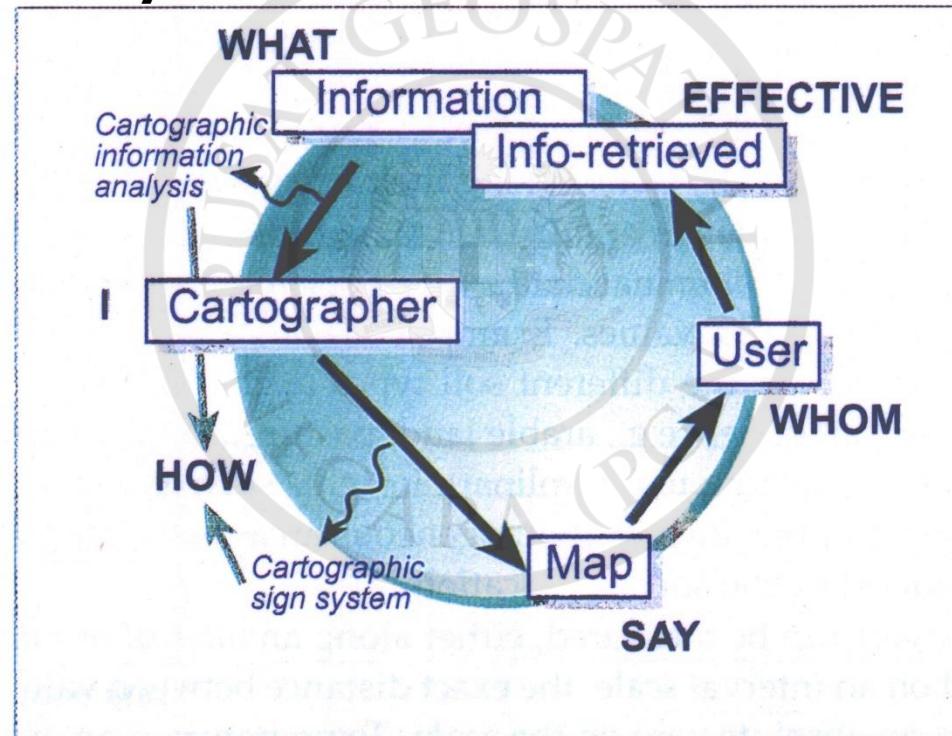


Mengapa peta perlu **SUSUNATUR** ?



Keperluan Susunatur Peta

How do I say WHAT to WHOM and is it EFFECTIVE



Keperluan Susunatur Peta

- Rekabentuk susunatur peta hanya boleh dimulakan setelah perkara-perkara berikut dipenuhi:
 - Tujuan peta
 - Pengguna Peta
 - Tema Peta
 - Skala dan format Peta
 - Keperluan penerbitan

SUSUNATUR PETA (MAP LAYOUT)

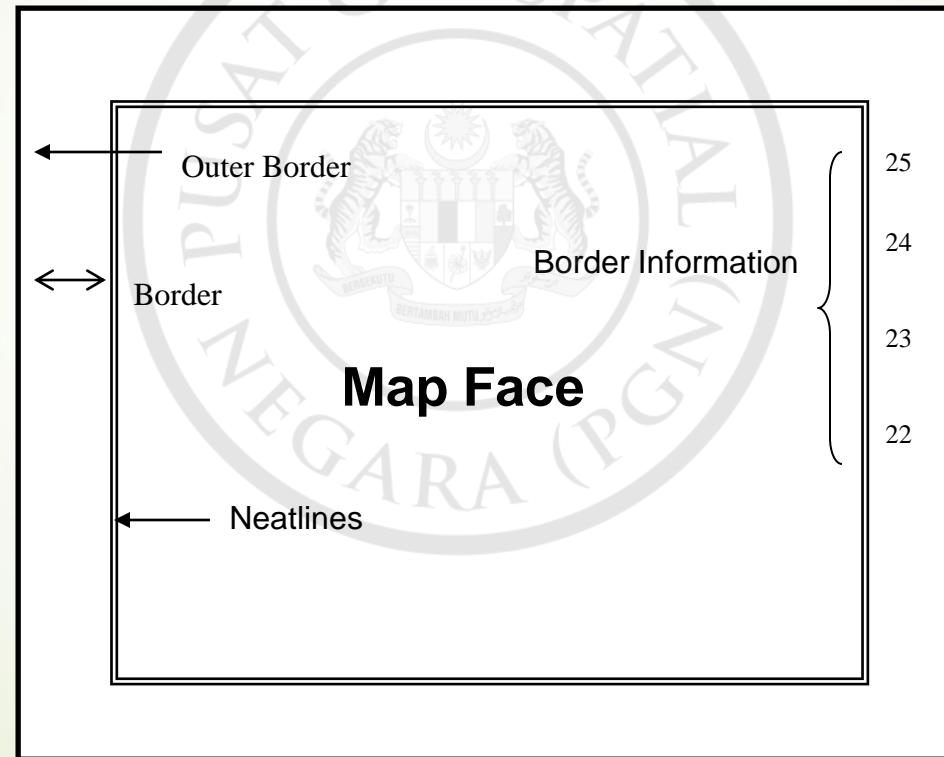
- Dikenali juga sebagai komposisi peta
- Merujuk kepada susunan spatial bagi pelbagai komponen peta untuk menjadikannya sebagai peta
- Komponen peta terdiri dari kawasan pemetaan, tajuk, skala, petunjuk dan lain- lain

Tujuan

Bagi membuat susunatur peta yang baik dan berfungsi, perkata-perkara berikut perlu diberi perhatian;

- Kejelasan
 - maklumat peta perlu dipersembahkan dengan terang tanpa ragu.
- Susunan
 - Merujuk kepada susunan lojik elemen peta
- Visual yang Seimbang
 - Setiap elemen peta mempunyai pemberat, dan perlu disusun mengikut taburan yang

Komponen Utama Susunatur



Marginal Information

Maklumat Jidar (Marginal Information)

Terdiri dari lima (5) komponen utama

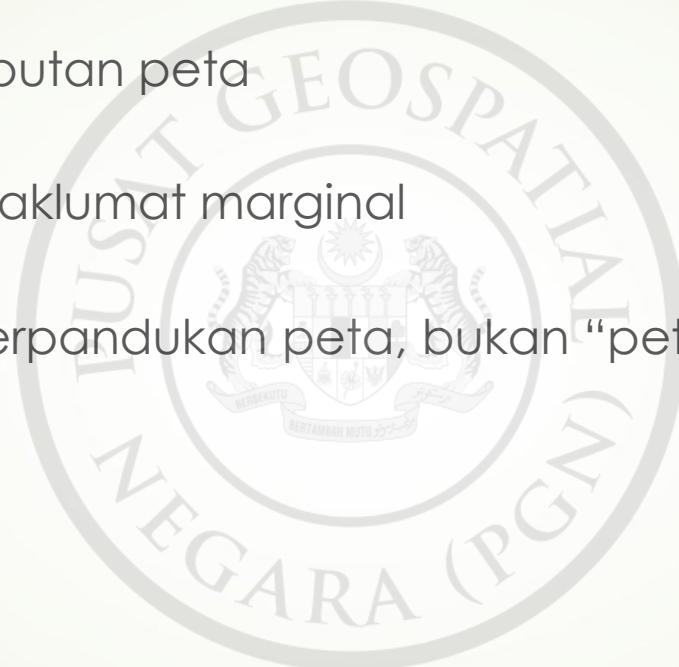
- Tajuk utama dan sub-tajuk
- Petunjuk (legend)
- Kenyataan skala
- Location diagram
- Sheet History

Syarat Susunatur Peta

- Proses hanya boleh dijalankan setelah jelas;
 - Apakah tujuan peta
 - Siapakah pengguna peta
 - Apakah tajuk peta
 - Apakah skala dan format peta
 - Bagaimana peta ini akan diterbitkan

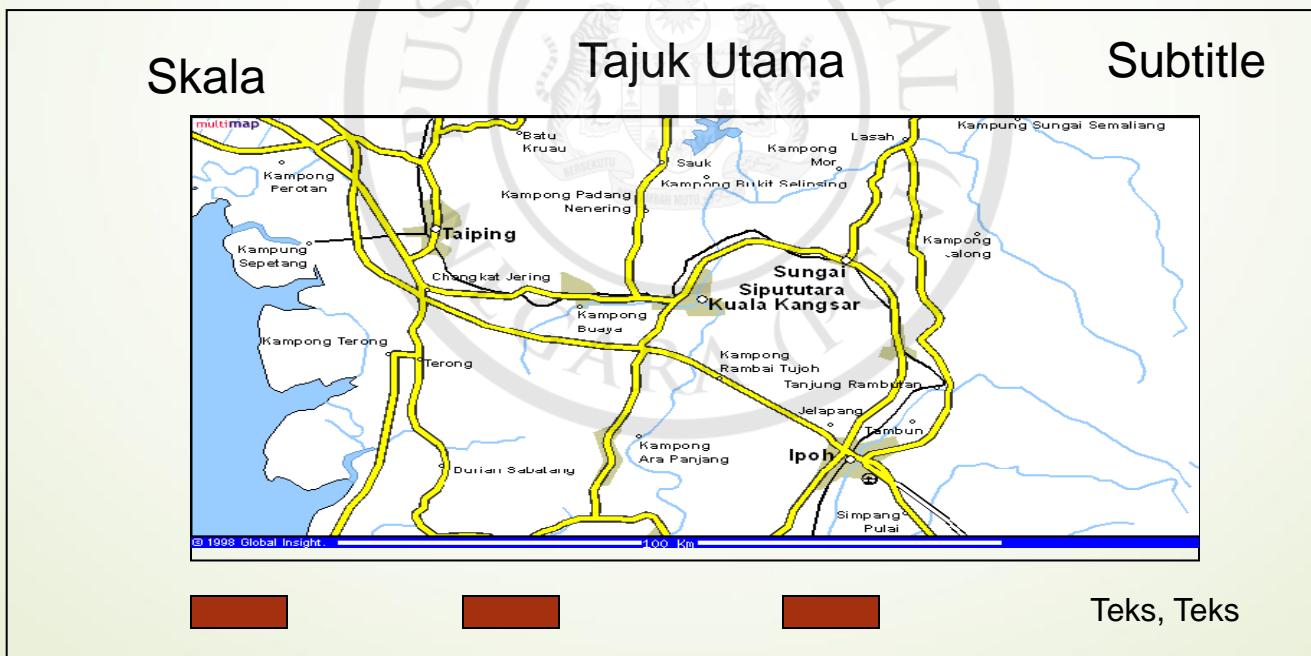
MAP LAYOUT

- 2/3 bahagian – liputan peta
- 1/3 bahagian- maklumat marginal
- 75% maklumat berpandukan peta, bukan “petunjuk”



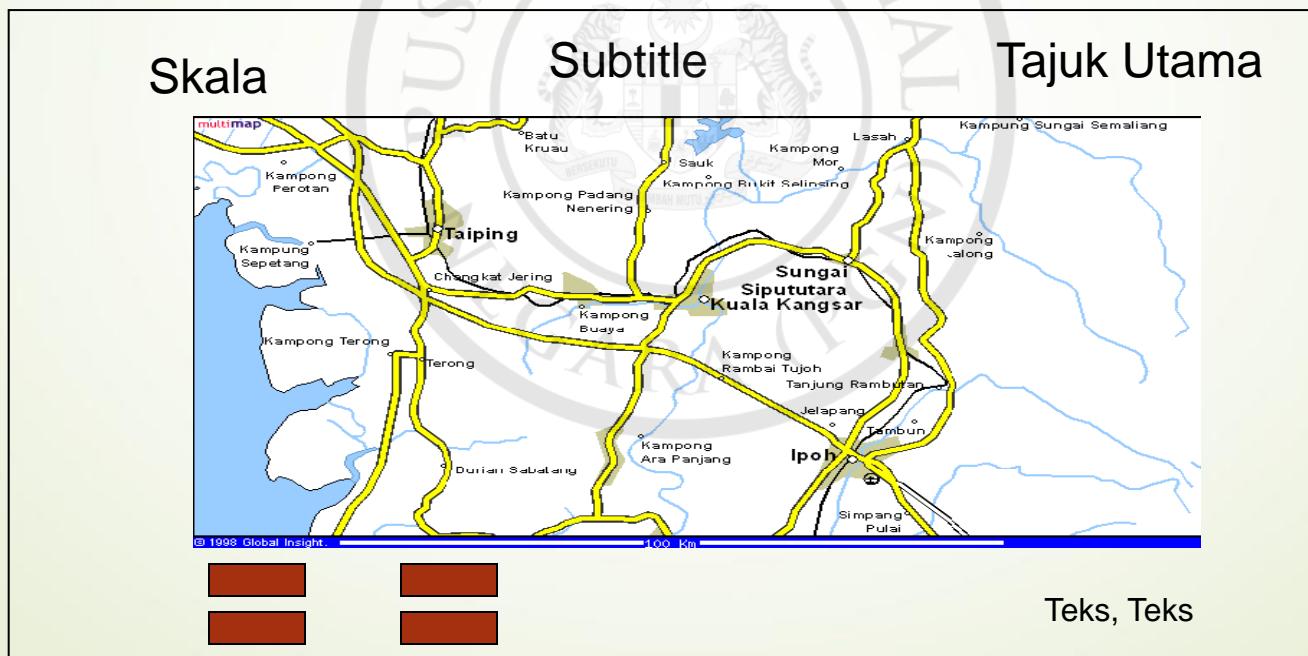
Visual Yang Seimbang

- **Symmetric balance** -maklumat jidar disusun untuk menjadi simetri sempurna dengan map face



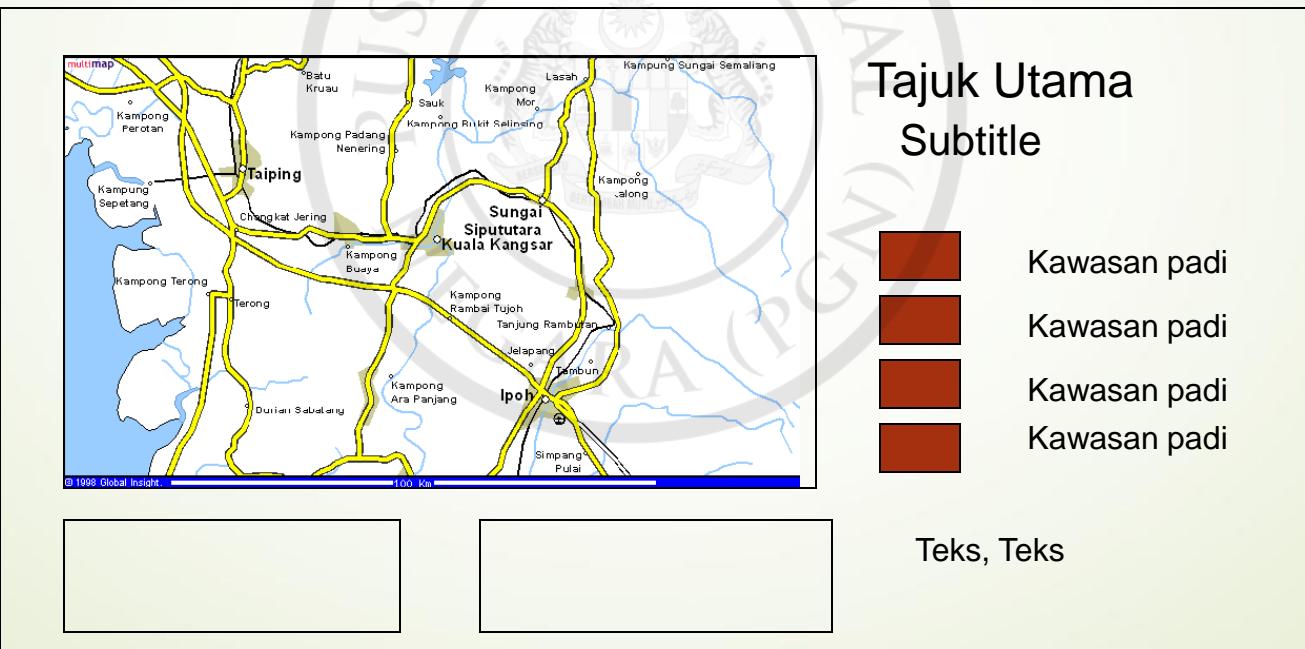
Visual Yang Seimbang

- **Informal balance** – Bentuk map face menentukan posisi maklumat jidar



Visual Yang Seimbang

- **Formal grid based** –Menggunakan grid untuk menentukan semua posisi maklumat secara sistematik untuk mendapatkan persembahan peta yang baik



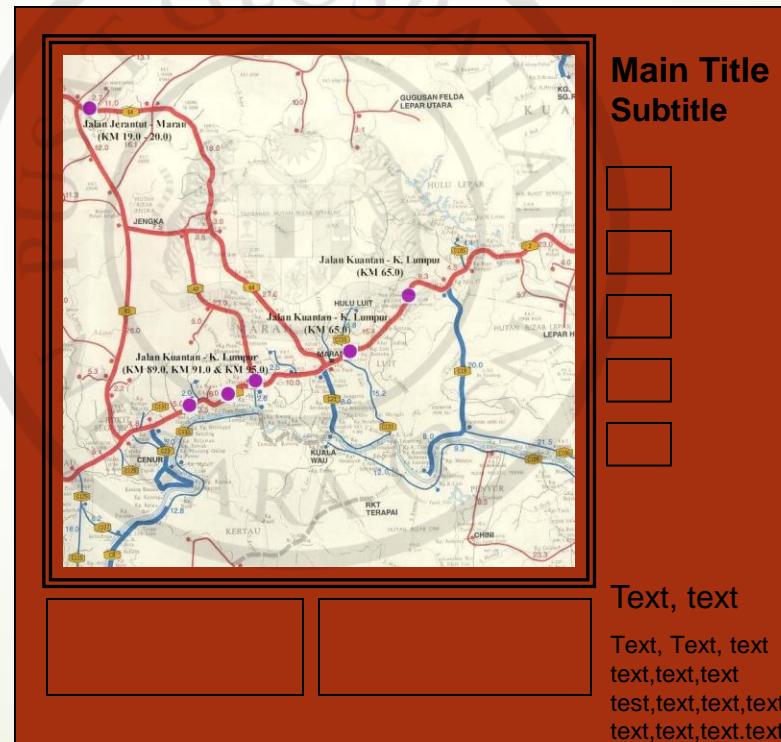


3 Jenis Map Layout

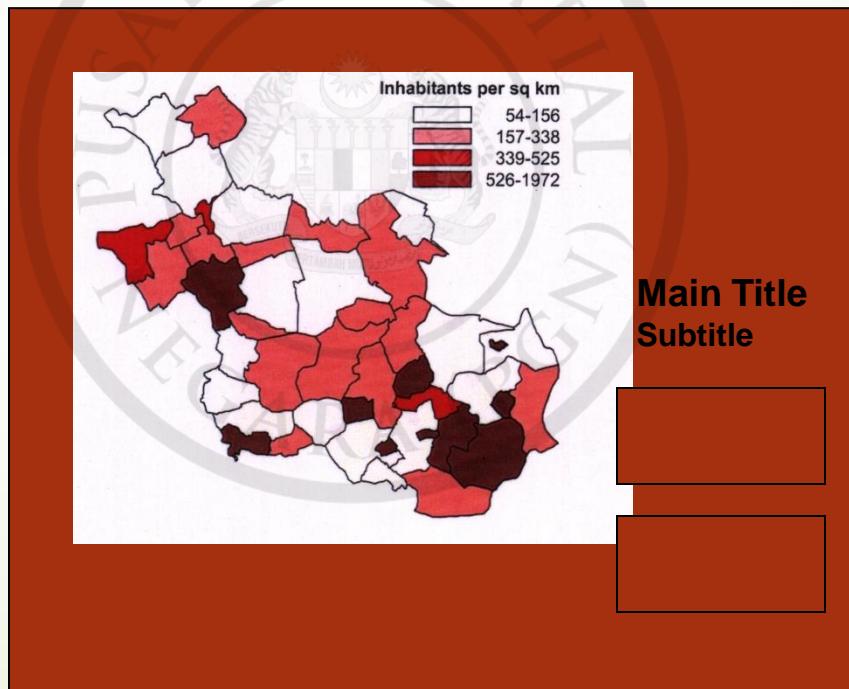
Frame map

- Jenis peta konvensional yang dikelilingi oleh bentuk frame rectangular atau square
 - Berfungsi memisahkan maklumat jidar dan kawasan pemetaan.
 - Peta jenis bersiri seperti peta topografi adalah sesuai
- Island map
- Less konvensional
 - Neatline atau sempadan yang diukur berfungsi sebagai frame
 - Berbentuk irregular dan memberikan kebebasan untuk merekabentuk pelbagai layout

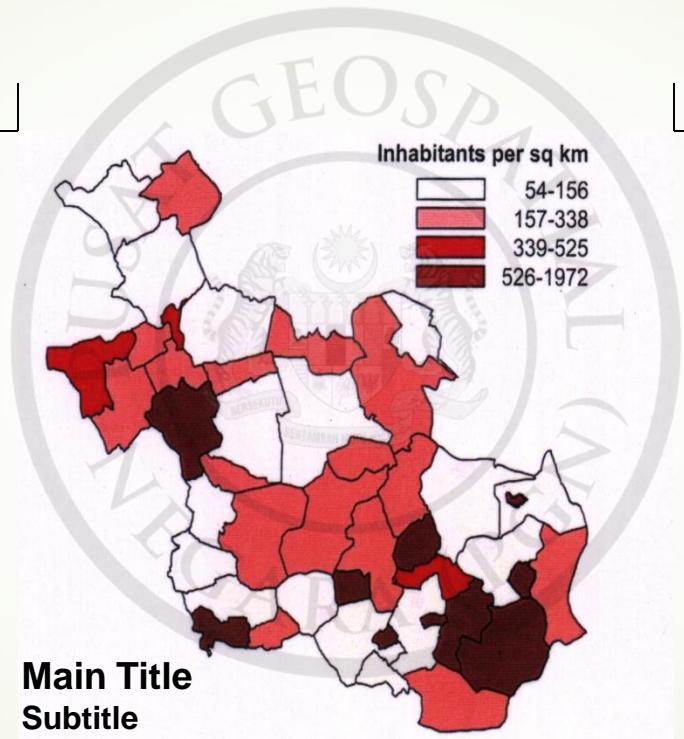
Contoh Frame map



Contoh Island Map



Contoh Bleeding edge map

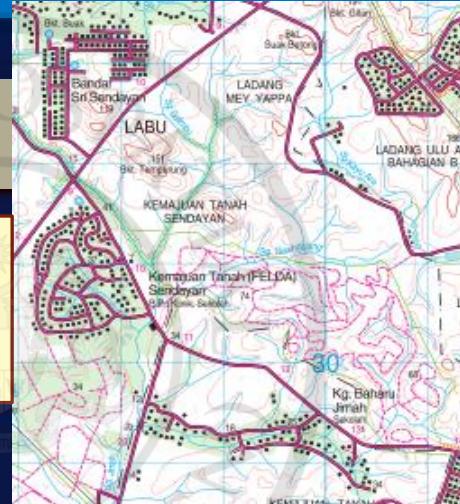


Peta di Malaysia

TYPES OF MAPS

Topographic Map

Variety of information
Equal importance
Subtle symbology



Thematic Map

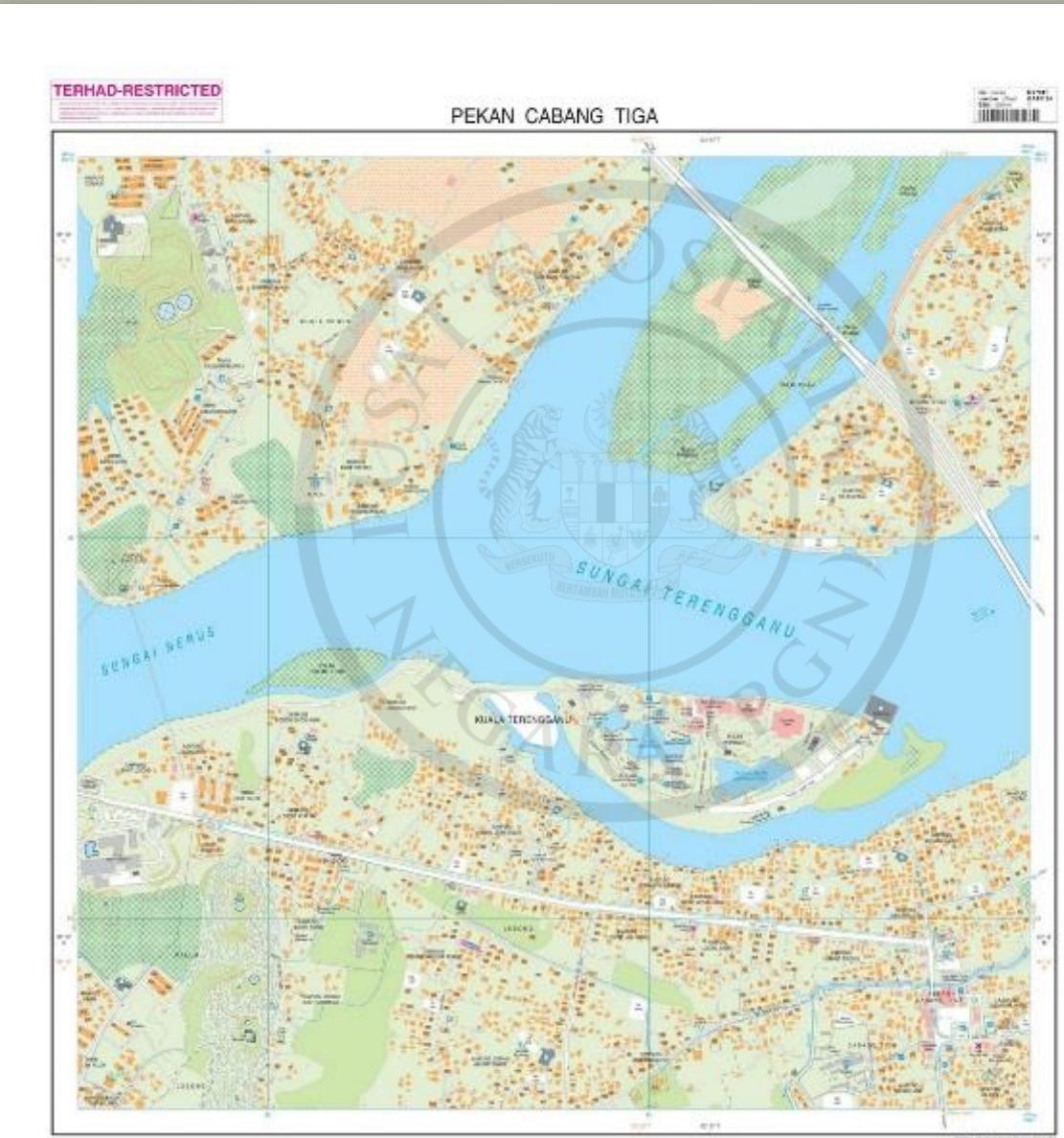
Focused information
Importance can vary
Symbols can dominate



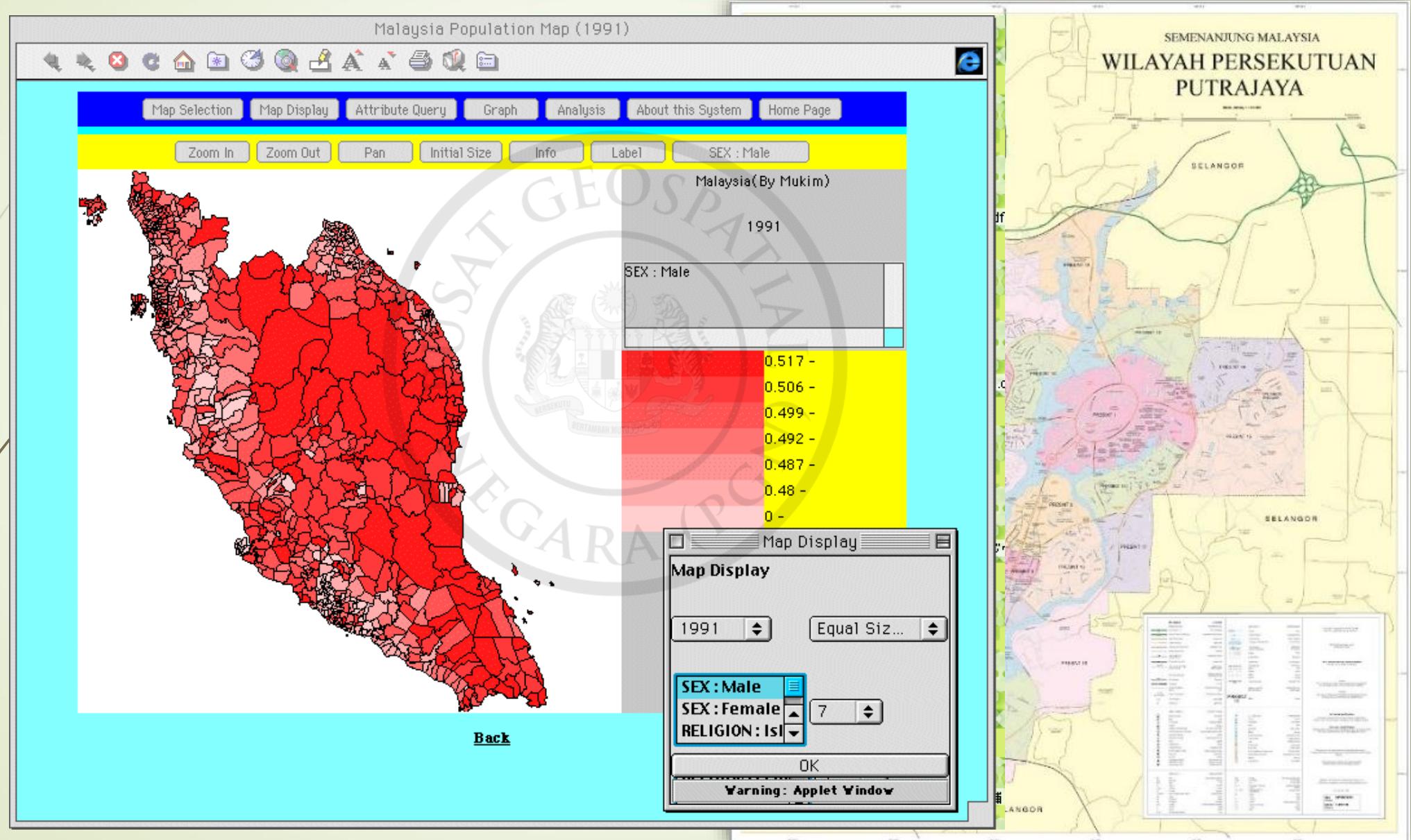
Qualitative

Quantitative

Peta Topografi

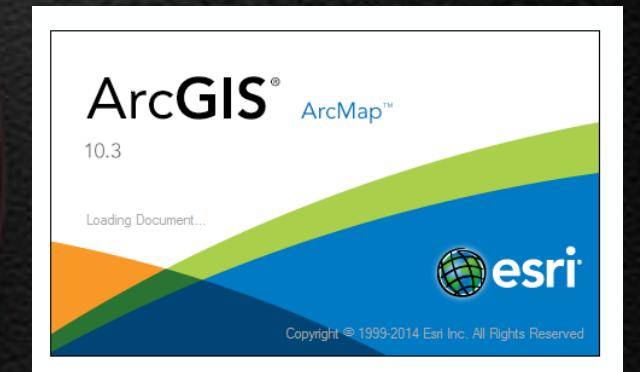


Peta Tematik

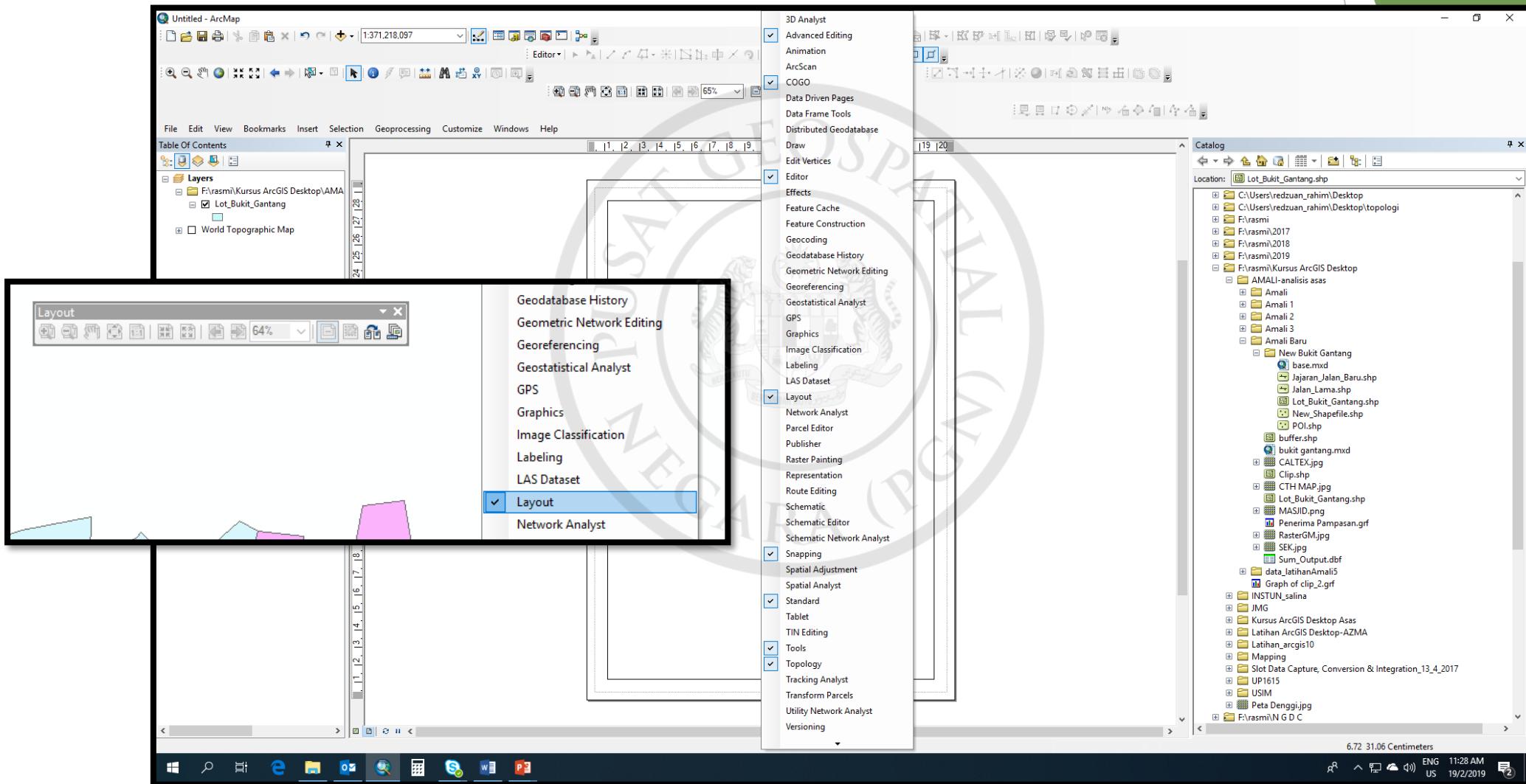




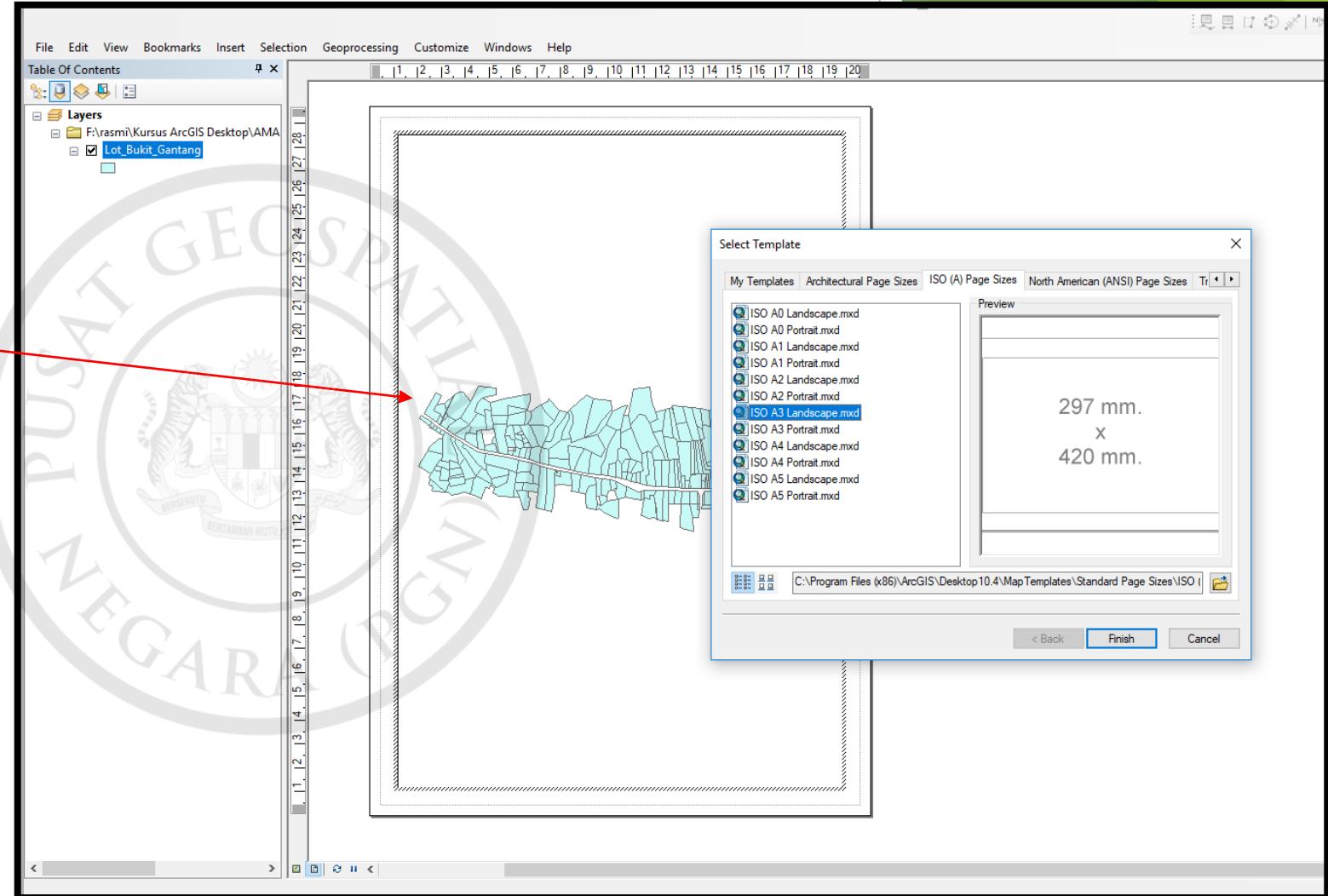
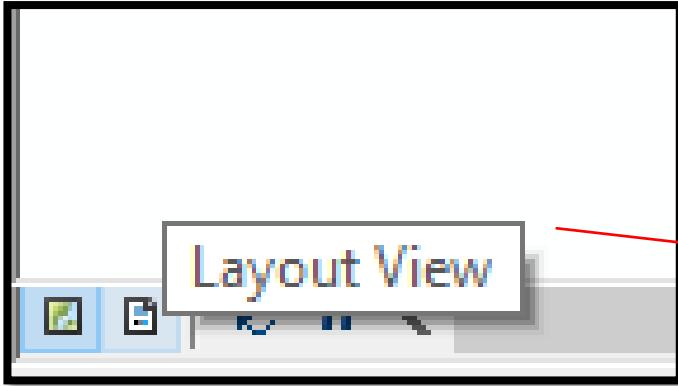
START



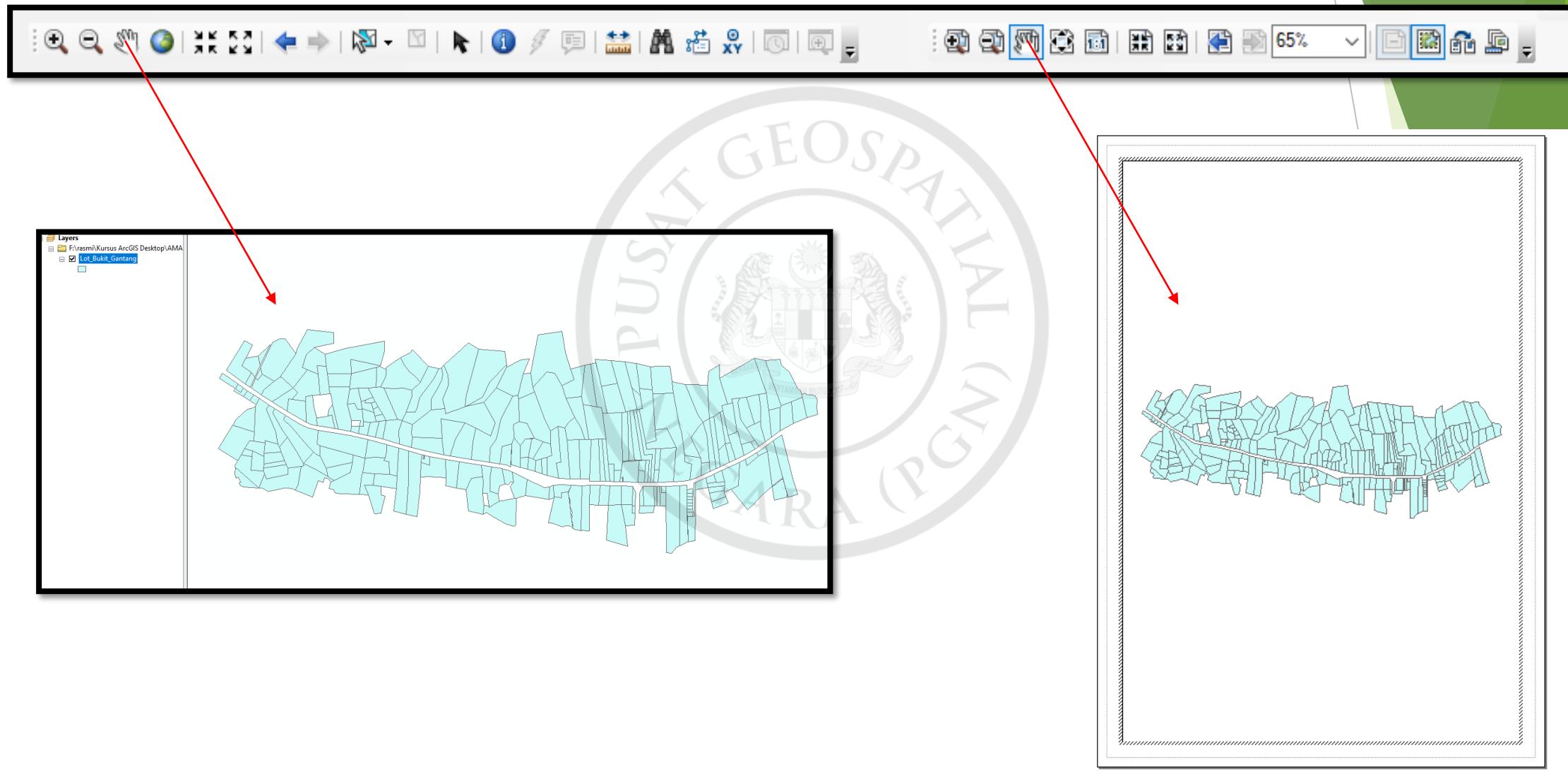
Hidupkan ikon “Layout”



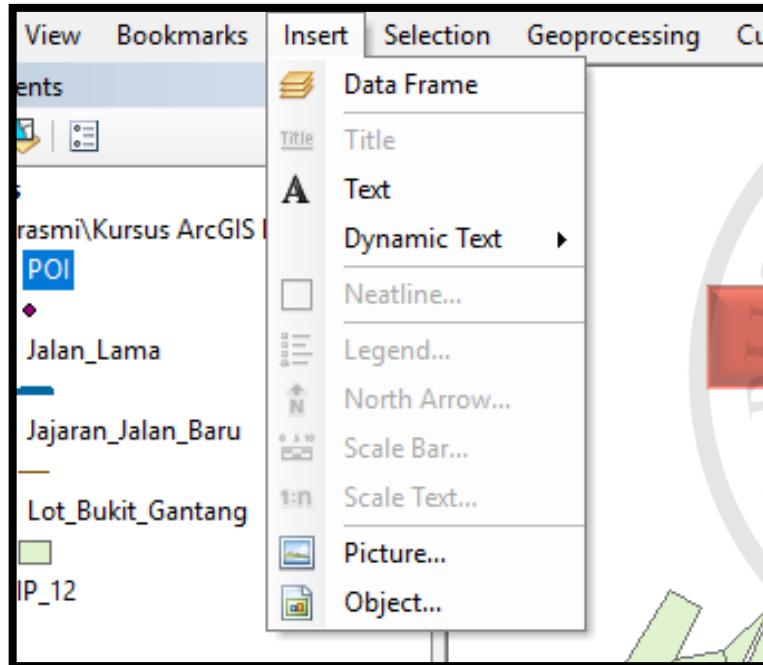
Layout View



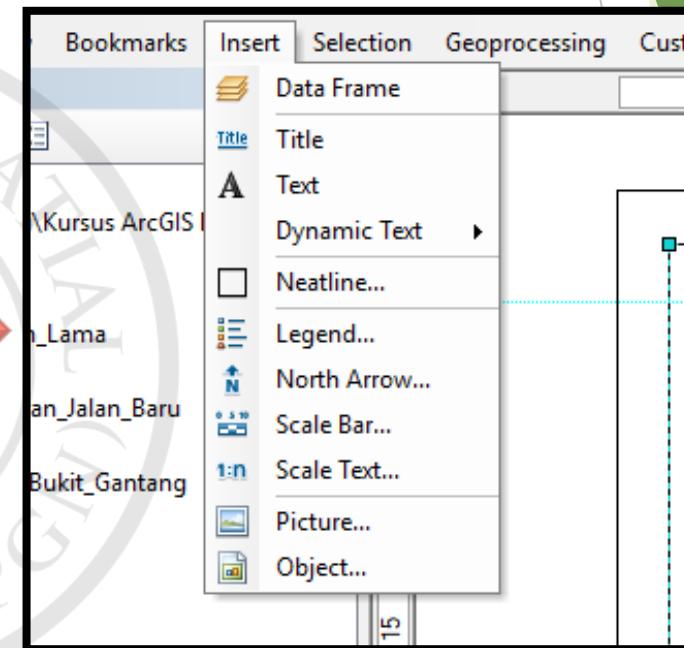
Bezakan & Biasakan



Ikon penting

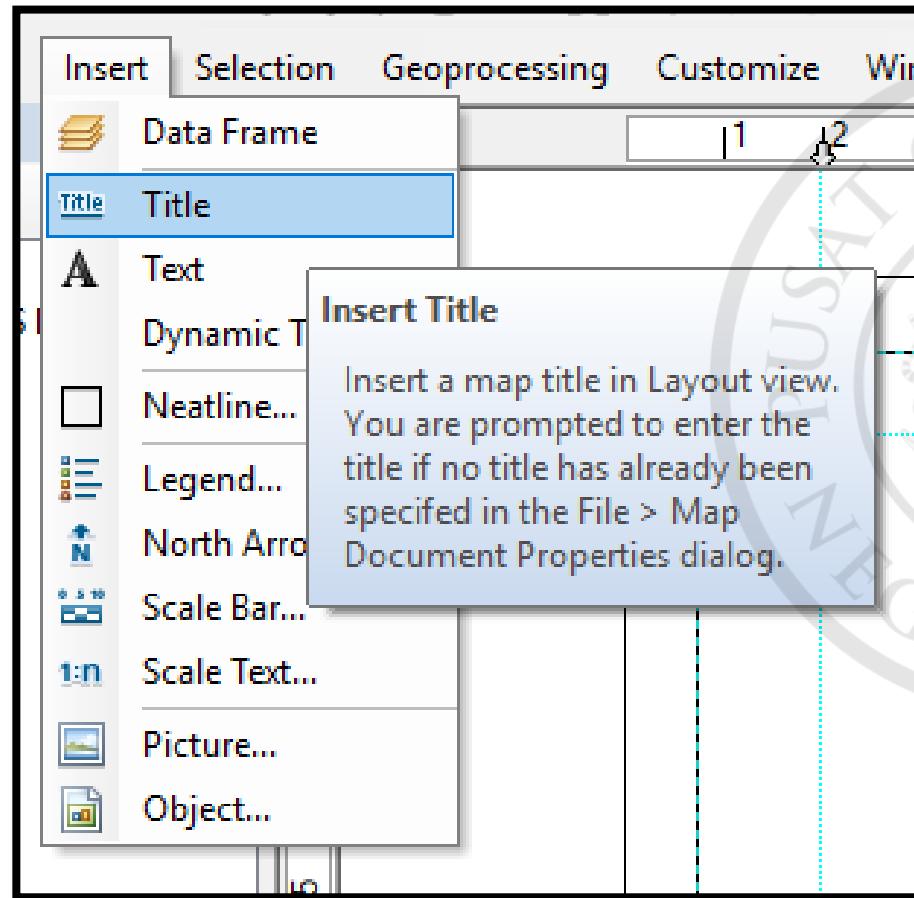


Mode Data



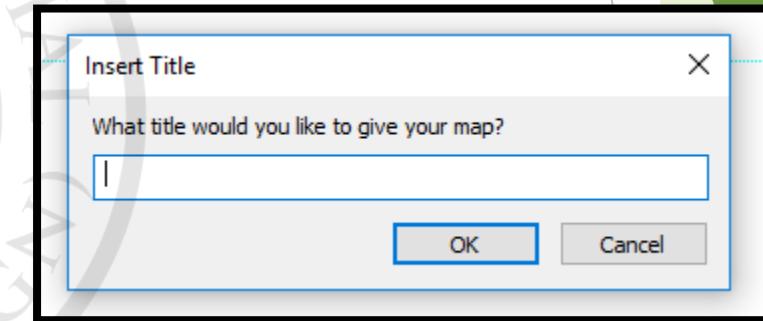
Mode Layout

Tajuk Peta



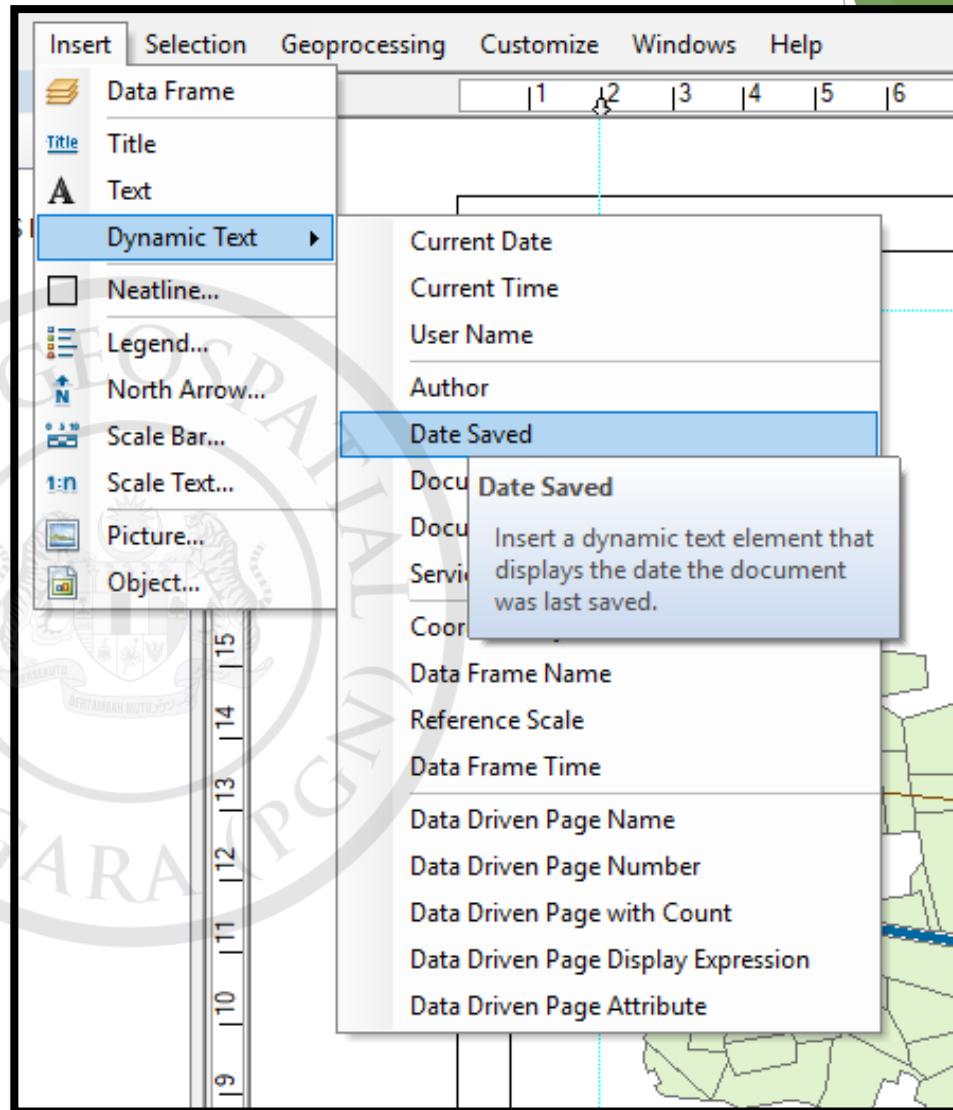
Insert Title

Insert a map title in Layout view.
You are prompted to enter the
title if no title has already been
specified in the File > Map
Document Properties dialog.

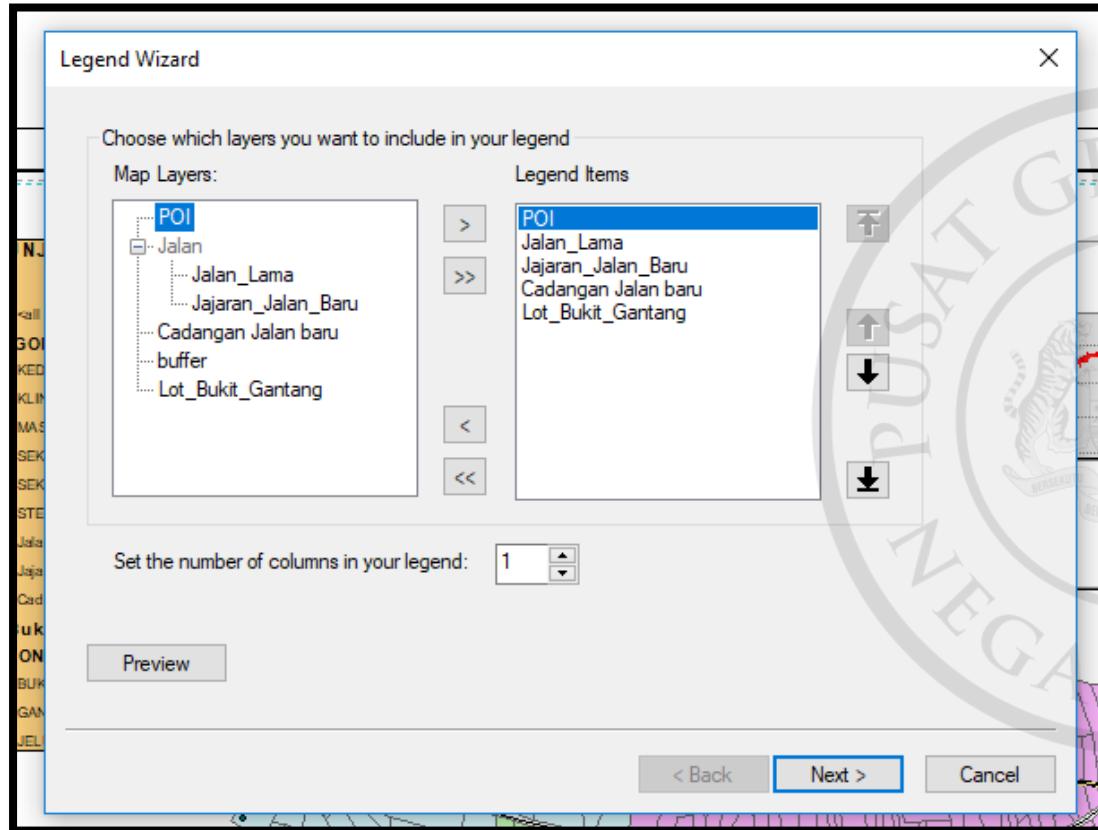


Dynamic Text

Paparkan maklumat “default” yang tersedia pada perisian dan data



Legend



Data Frame

The screenshot illustrates the process of creating a new data frame in ArcGIS Pro. A red box highlights the 'New Data Frame 2' entry in the 'Content' pane on the left.

New Data Frame

Insert Data Frame
Create a new, empty data frame in the map. A data frame represents a geographic location and contains layers of data.

PETA CADANGAN JAJARAN JALAN BARU BUKIT GANTANG

Graf Pampasan

Y-axis: pampasan (RM21 per m²)
X-axis: Luas_Ambil (m²)

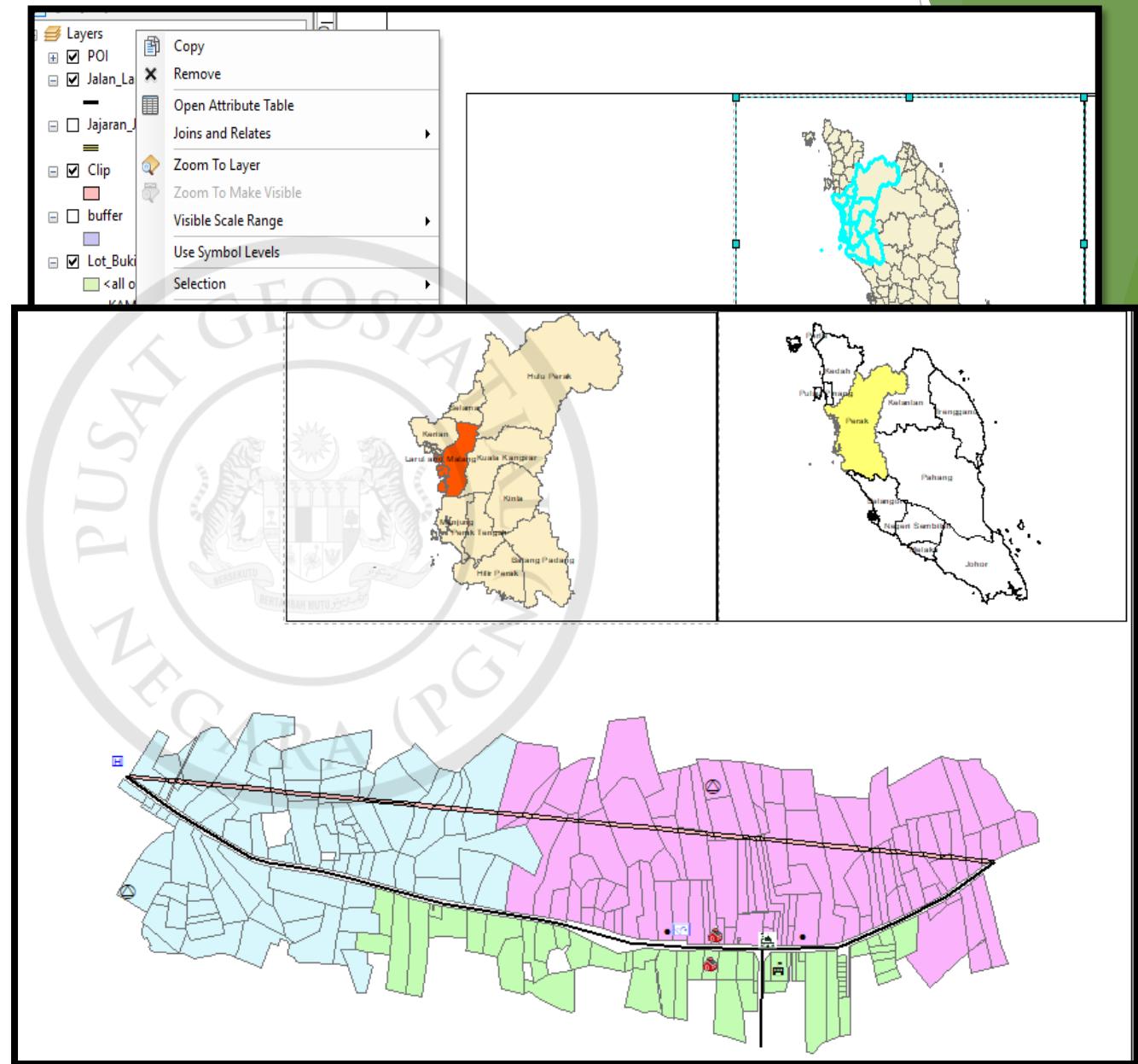
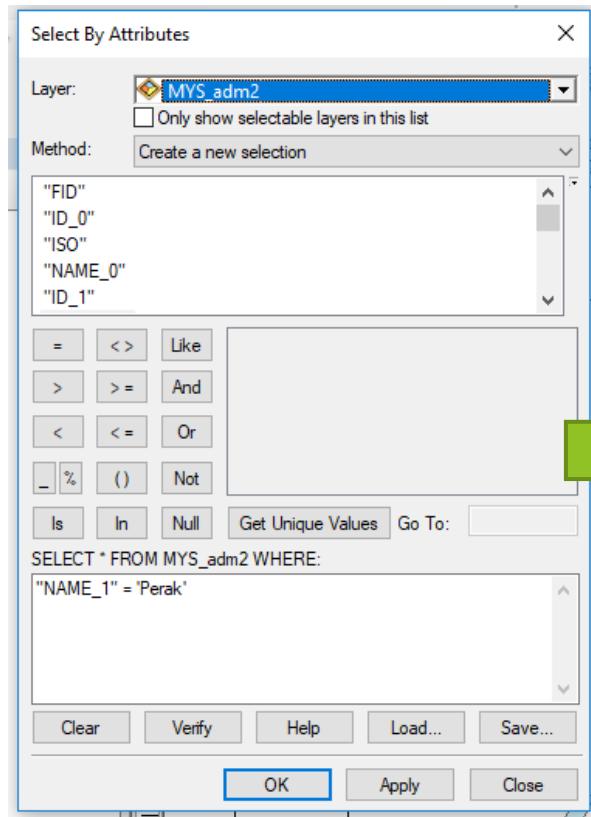
Legend:

- POI:**
 - <all other values>
 - KEDAI RUNCIT
 - KLINIK KESIHATAN
 - MASJID
 - SEKOLAH MENENGAH
 - SEKOLAH RENDAH
 - STesen Minyak
- Jalan_Lama:**
 - Jalan_Jalan_Baru
 - Cadangan Jalan baru
- Lot_Bukit_Gantang:**
 - BUKIT
 - GANTANG
 - JELUTONG
- KAMPONG:**
 - BUKIT
 - GANTANG
 - JELUTONG

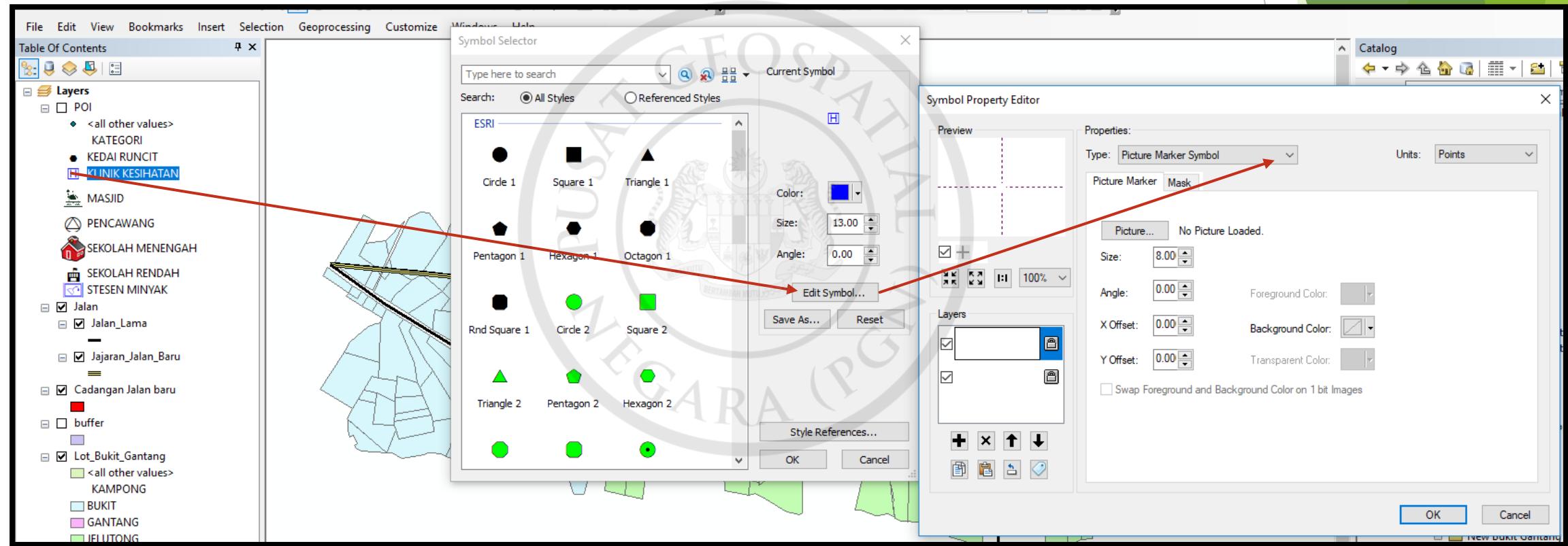
Scale Bar: Kilometers
0 0.125 0.25 0.5 0.75 1

Legend (Content pane):

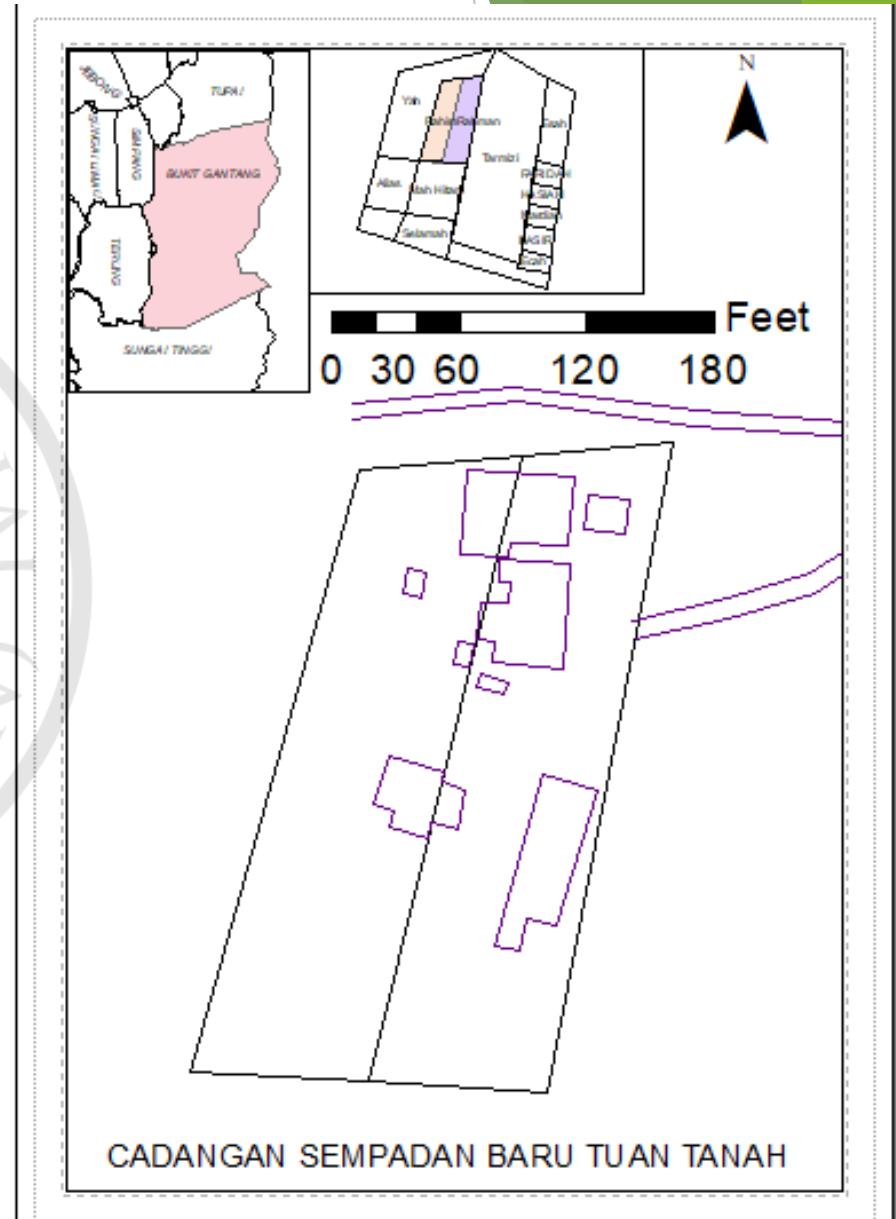
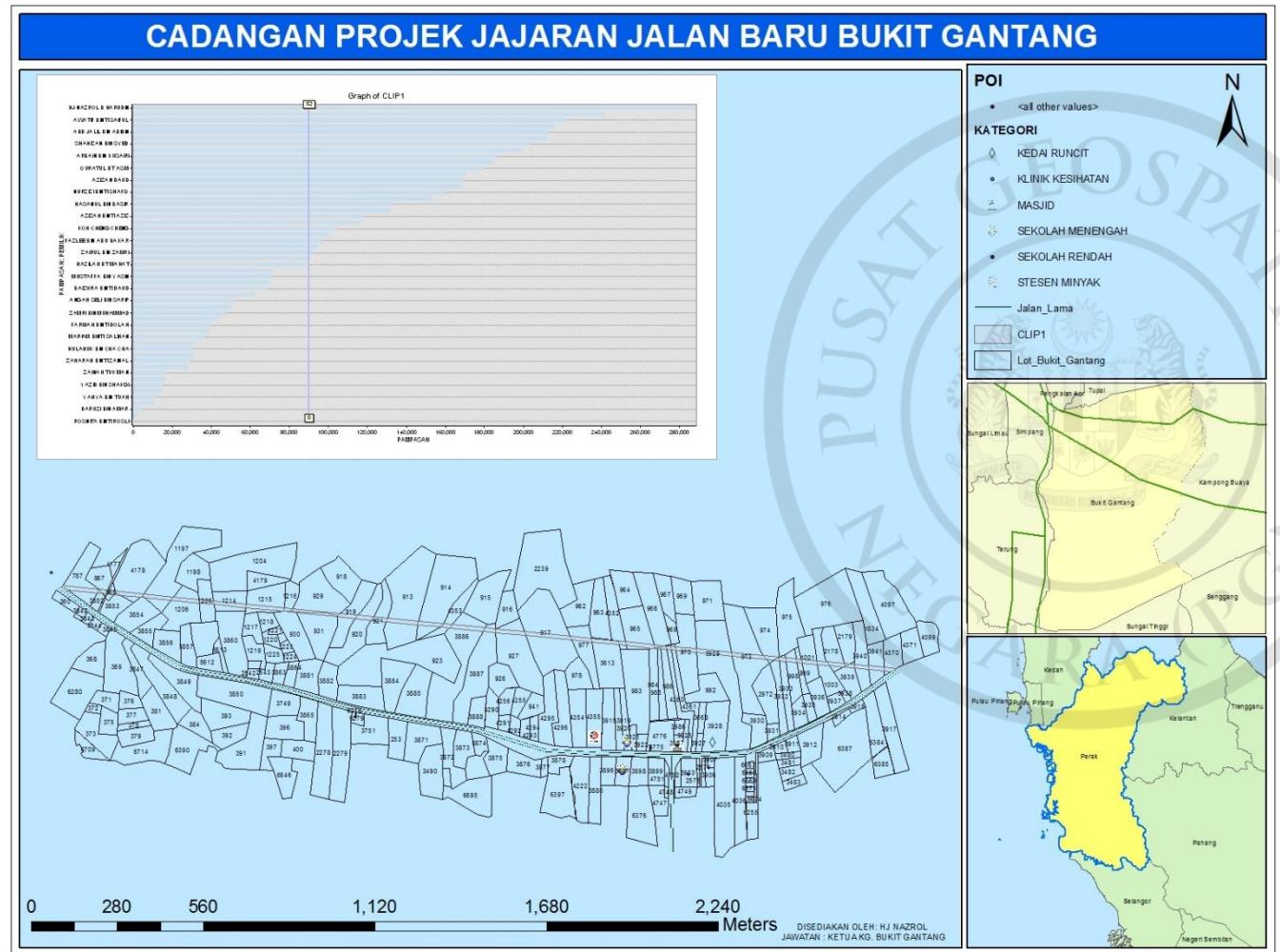
- Lot_Bukit_Gantang:**
 - <all other values>
 - KAMPGONG
 - BUKIT
 - GANTANG
 - JELUTONG
- New Data Frame 2:**
 - Perak
 - <all other values>
 - NAME_2
 - Larut and Matang
 - MYS_adm1



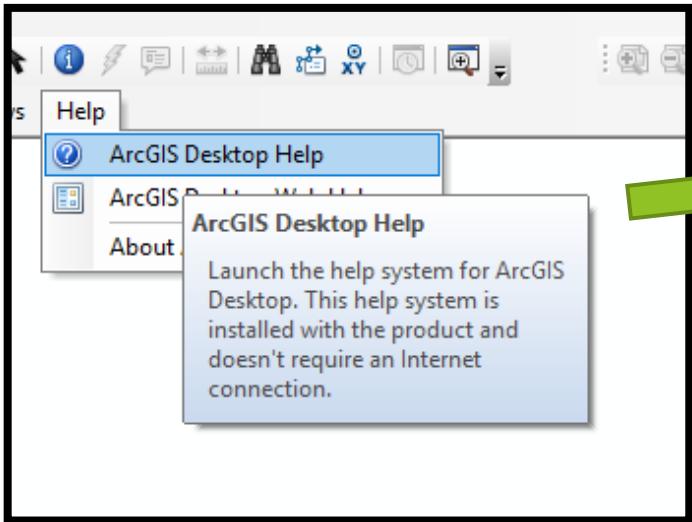
Cipta Simbol



Contoh



Tips & tricks



Welcome to the ArcGIS Help Library

Welcome to the help library for the ArcGIS system for GIS professionals, developers and administrators. This help system focuses primarily on using ArcGIS on the desktop and server environments and how GIS professionals can extend this onto online, web, and mobile devices.

If you're new to ArcGIS, start with lessons about the ArcGIS platform.

ArcGIS for Desktop Website

The [ArcGIS for Desktop](#) website is your single point of access to online Help libraries, training materials, and all aspects of the ArcGIS platform. You can learn new ways to complete your daily tasks.

Learn ArcGIS website

You can begin using the ArcGIS platform through the [ArcGIS website](#). These will provide an overview of related information to apply GIS. Plus, you can answer spatial questions.

In-application help for Desktop

By hovering the pointer over buttons or icons in the ribbon, toolbars, or toolboxes, some ToolTips provide access to a pressing F1.

Search

Local Search

ALL Maps Data Tools Images

projection

Any Extent ▾

Sort By ▾

Project (Data Management) (Tool)

Defines projection information for a dataset.

Define Projection (Data Management) (Tool)

Overwrites the coordinate system information (map projection) for a dataset.

Projections and Transformations (Toolset)

Summary: not available.

Batch Project (Data Management) (Tool)

Changes the coordinate system of a set of input feature classes or feature datasets.

Project Raster (Data Management) (Tool)

Transforms the raster dataset from one projection to another.

Raster (Toolset)

Summary: not available.

Geodetic Densify (Data Management) (Tool)

Creates new features by replacing input feature's segments with densified segments.

Calculate UTM Zone (Cartography) (Tool)

Calculates a UTM zone of each feature based on the center point and standard parallels.

Calculate Central Meridian And Parallels (Cartography) (Tool)

Calculates the central meridian and optional standard parallels based on the input coordinates.

Delete Grids And Graticules (Cartography) (Tool)

Deletes all the features associated with one or more selected grid and graticule.

