



BIOTROP Training and Information Centre

Training Courses on GIS Application for Spatial Data Analysis using ArcGIS 9.x

Overview

This course introduces how to think spatially and how to analyze various spatial data with hands-on lab exercises (ArcView 9.x). It will help participants to conceptualize spatial phenomena and theories in many practical ways. This Training was designed for ArcGIS Desktop version 9 ArcInfo™ Functional Level (includes ArcView® and ArcEditor™ functionality). It has adapted some of the concepts present within ESRI's *Getting to Know ArcGIS Desktop* book in order to allow a user to quickly get started with ArcGIS™ applications without actually having to go through the ESRI tutorial exercises

Duration and Date :

Training will be arrange for 4 (four) days on 13-16 May 2008

Training Fee :

The Training fee is Rp. 4.000.000/person, this fee covered Module, Training kit and certificate.

Course Activity :

- Lecture 10%
- Practical 80%
- Assigment/Project 10%

Minimum Participants :

Minimum participants for this course are 5 persons

BTIC Building , SEAMEO BIOTROP
Jl. Raya Tajur km 6, Bogor, West Java, Indonesia
Phone. +62 251 320224, 390715, 390716
Fax. +62-0251-320224
Website : www.bticnet.com
E-mail: btic@biotrop.org



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Lesson 1: Getting Started with ArcGIS: ArcCatalog, ArcMap, and ArcToolbox

- Migrating ArcView to ArcGIS 9.x
- ArcGIS Applications Description and Data Retrieval
- ArcGIS Supported Data Formats
- Viewing Data in ArcCatalog
- Viewing Data in ArcMap
- Using ArcToolbox

Lesson 2: Manipulating Display Parameters in ArcMap

- Symbolizing Features and Rasters
- Classifying Features and Rasters
- Labeling Features

Lesson 3: Querying Data in ArcMap

- Identifying, Selecting, and Finding Features
- Selecting Features by Attributes
- Selecting Features by Location
- Creating ArcMap Layers from Selected Features

Lesson 4: Preparing Data for Analysis

- Selecting Features and Clipping Features
- Dissolving Features
- Exporting Data
- Projecting Data for Display in ArcMap
- Projecting and Defining the Coordinate System or Spatial Reference

Lesson 5: Analyzing Spatial Data and Explore Some extension

- Buffering Features
- Overlaying Features
- Calculating Attribute Values
- Spatial Analysis
- 3D Analysis

Lesson 6: Making and Printing Maps Using ArcMap

- Using a Map Template to Create a Map
- Creating Maps Without Using a Map Template
- Selecting Print Options

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