

HAGI REGULAR COURSE 2012



Identification and Solving Coordinate System & Datum Problem on Navigating Data Using Navigation GPS Receiver

**9 - 13 April 2012
Bandung, Indonesia**



Expert Course Trainer :

**Hasanuddin Z. Abidin
(Institute Technology
Bandung)**



**Hafzal Hanief
(Pertamina)**

The Indonesian Association of Geophysicists

www.hagi.or.id

Identification and Solving Coordinate System & Datum Problem on Navigating Data Using Navigation GPS Receiver

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Course fee : Rp. 22.000.000 (Member)
Rp. 23.000.000 (Non-Member)

(Includes: Handheld data acquisition simulation, lunch & coffee break, course material, course kit, certificate, Photo Group)

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COURSE OVERVIEW

The Geoscientist and Engineer often deal with navigation data related with sub-surface and surface data which those must not to be separated. Difference Coordinate System & Datum are common problems. The problems become more complex when we deal with many vintages result from seismic or non-seismic survey because interpretation must be done in the same coordinate system & datum.

This course, design as 4 days class room and 1 day field trip session, provides the Basic understanding of Coordinate System, Datum, GPS Technology and coordinate transformation. It is intended for the people who work with surface & sub-surface data (maps) either in oil, gas & geothermal company or others.

Examples from actual field data will be used as the demonstration and exercise to give well understanding

INTENDED FOR

Geophysicists, Geologists, Engineer and Geoscientist interested in the Coordinate System, Navigation & Datum issue.

COURSE OUTLINE

- Day 1: Introduction to Coordinate System, Basic Concept of Datum and Transformation, GPS Technology
- Day 2: Coordinate System & Datum Problem in oil, gas & geothermal operation Using navigation GPS Receiver
- Day 3 : Field Trip
- Day 4 : Solving Coordinate System & Datum Problem, Calculating Coordinate System & Datum Transformation
- Day 5 : Discussion

ABOUT THE INSTRUCTOR



Prof. Hasanuddin Z. Abidin is a Vice Rector for Communication, Information and Partnership of Institute of Technology Bandung (ITB), Indonesia. He is also a Professor and Head of Geodesy Research Division, Faculty of Earth Science and Technology of ITB. He obtained his engineer degree from Dept. of Geodetic Engineering, ITB in 1985, and his MSc.Eng and PhD degrees from the Department of Geodesy and Geomatics Engineering (previously Dept. of Surveying Engineering), Univ. of New Brunswick, Canada, in 1989 and 1992 respectively.

His academic background is related to the theory and applications of satellite geodesy; and his research works up to the present times includes the following areas, namely : ambiguity resolution of GPS signals; the use of GPS system for geodetic surveying, land surveying, cadastral surveying, and marine applications; use of GPS survey method for monitoring fault motion, geodynamics, volcano deformation, land subsidence, landslide, and dam deformation; geodetics aspects of the international boundary; and integration of GPS and INSAR for deformation study.

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Hafzal Hanief is a Geomatic Specialist of Pertamina Upstream Technology Center (UTC) with responsible of study, development and innovation of geodetic & geomatics in order to support exploration & exploitation of hydrocarbon. Joined Pertamina after graduated from Geodesy ITB at 1992 with hands on experience of GPS survey and mapping, unification of coordinate system and datum seismic, geodatabase development and web-based GIS, seismic topography quality control, and the exploration of gravity-MT method.

INFORMATION AND REGISTRATION

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HAGI TRAINING COORDINATOR
Gustriyansyah Mishar (CNOOC)
Kemala Pergina (GEOTECH)

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REGISTRATION FORM

Course Title : **Identification and Solving Coordinate System & Datum Problem on Navigating Data Using Navigation GPS Receiver**
Dates : **April 9 -13, 2012**
Venue : **Bandung, Indonesia**
Instructor : **Prof. Dr. Hasanuddin Z. Abidin & Hafzal Hanief (ITB & Pertamina)**
Course Registration Fee* : **Rp. 22.000.000,-**(HAGI Member)/ **Rp. 23.000.000,-**(HAGI Non-Member)
**(Kindly ✓ appropriate square)*

PARTICIPANT (Kindly complete the data)

Title* : Mr. /Mrs
Attendance Name : _____
Job Title : _____
Company : _____
Office Address : _____
Phone/Facsimile : _____
Mobile Phone Number : _____
E-mail Address : _____
Contact Person : _____
Phone _____ E-mail _____

HAGI Member* : Yes /No

**(Kindly ✓ appropriate square)*

Special Notifications :

The Investment Fee includes meals (2x coffee break and lunch), course materials, course kits, group photograph, and certificate (exclude hotel and tax). In order to allow sufficient time for arranging travel and processing document, participants are recommended to make an early enrollment. Unless prior arrangements are made by HAGI, payment may be required well 14 days in advance of the course date to guarantee your seat. Registration will be closed on 14 days before course date. Late enrollment may result in course cancellation.

PAYMENT METHOD BY (Kindly ✓ appropriate square) :

Cash addressed to HAGI Secretariat

Bank Transfer in full amount to :

Himpunan Ahli Geofisika Indonesia

Bank BNI Cab. Menteng, Jakarta Pusat

AC : Rupiah (Rp) 0010740147 /Dollar (US\$) 0010740158

Invoice, send addressed to :

PLEASE FAX THIS FORM TO : +6221.5250040 or EMAIL : training.center@hagi.or.id & RECONFIRM YOUR REGISTRATION TO HAGI TRAINING CENTER, CP : Arida Chyntia Andriani Phone +6221.5250040 /Mobile +6281.288924225

Let's register yourself right now!

**HAGI Secretariat : Patra Office Tower, 20th Floor, Suite 2045
Jl. Jend. Gatot Subroto Kav. 32-34 Jakarta Selatan 12950, Indonesia
Phone/Fax : +6221.5250040
Visit our website : www.hagi.or.id**

Cancellation, Substitution & Non Attendance Policy : Tuition fees are transferable but not refundable. Notification is required to substitute another participant, no later than 5 working days prior to the program, should the nominated person be unable to attend. Cancellation will only be considered, if being cancelled at least 1 (one) week before course exhibited. Late cancellation will be charge 50% from the course fee.