



**Euis Tintin
YUNINGSIH**

Home Country
Indonesia

Degree
PhD in Geology

Expertise
Geology

Research Focus
Epithermal Gold and
Base Metal
Mineralization in West
Java

Host University
Hokkaido University,
Japan

Fellowship Awarded
2009

Euis Tintin Yuningsih was born and raised in Bandung, Indonesia as the youngest of three brothers and one sister.

Euis completed her BSc in geology in 1999 at Padjadjaran University (UNPAD) and began working as a junior lecturer in the geology faculty's Petrology and Mineralogical Laboratory. In 2003 she obtained her MSc at Technology Institute of Bandung (ITB) and in 2008 she began studying for her PhD in geology at Hokkaido University in Japan.

In Japan, Euis is studying the genetic and metallogenic context of epithermal gold and base metal mineralization in the Arinem area of Western Java in Indonesia. The main objective of her research is to test the hypothesis that gold mineralization in the Arinem area is an epithermal type. More than 13,000 islands are spread throughout the Indonesian archipelago, which is 9,000 kilometres long and 5,200 km wide. In recent years new mineral discoveries in the archipelago have made Indonesia the sixth-largest gold producer in the world, and the country is experiencing an exploration boom due to huge foreign investments.

Euis is developing genetic, metallogenic and exploration modeling to test for mineral exploration within and around the areas of interest. Her work involves detailing ore and gangue mineral petrography to determine the mineralization sequence and their associated alteration types, studying fluid inclusion based on drill core sample depths to determine ore formation temperatures, heat sources and depth of mineralization, analyzing bulk geochemistry and mineral chemicals to determine the sources and mobility of elements, including gold, during hydrothermal fluid circulation, and conducting a stable isotope analysis on sulfides and silicates to determine the sources and origin of ore fluids.

After completing her studies at Hokkaido University, Euis plans to continue working as a lecturer at the Faculty of Geology at Padjadjaran University in Bandung.