



ISBN: 978-602-8171-14-1

**PROCEEDINGS**  
**The 3<sup>rd</sup> International Seminar on Science Education**  
**“Challenging Science Education in The Digital Era”**

**Saturday, October 17<sup>th</sup> 2009**  
**JICA Building,**  
**Jl. Dr. Setiabudi 229 Bandung 40154**

**Organized by:**  
**Science Education Program, Graduate School**  
**Indonesia University of Education (IUE)**