RESEARCH THEMES





Master of Eductaion In Chemistry Graduate School Universitas Negeri Yogyakarta 2016



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RESEARCH THEMES OF THE MASTER AND THE DOCTOR OF EDUCATION IN CHEMISTRY

Five superior fields of research in the education field of the Graduate School, Universitas Negeri Yogyakarta are as follows.

- Characteristic and competitive education. Graduate School develops the design of education with national character based on religious values, national culture that is globally competitive, and peace.
- 2. **Fair Education**. Graduate School develops systems and models of education that are able to provide opportunities for all citizens to obtain an emancipatory and participatory education.
- Education for sustainable development. In addition, Graduate School must also develop educational models that guarantee the preservation of the biological, physical, social and cultural environment.
- 4. Local wisdom, locality, and indegenous knowledge. Graduate School also need to conserve, actualize and develop the cultural, social and natural capital of the archipelago to face global challenges in the fields of politics, economics and socio-culture to achieve justice and social and economic health of the Indonesian people.
- 5. Global village, informational and communication community, and borderless community. Graduate School need to develop education in facing the challenges of the era of information and communication technology to be able to adapt to local, regional, and global communities without a partition.

Research Themes in Graduate School, Universitas Negeri Yogyakarta	Research Themes in the Master and the Doctor of Education in Chemistry
Characteristic and	Development of character-based chemical learning
competitive education	research
Fair Education	Innovative research and development projects on
	chemical education with special emphasis on the
	learning process to influence the professional
	development of teachers throughout Indonesia and
	national education policies
	Development of chemical education research based
	on the development of the natural environment to
Education for sustainable development	ensure environmental sustainability
	Research program to support education reform in
	Indonesia with a deep and continuous improvement
	in learning skills, creativity and communication for
	high school/vocational students at all levels of ability
	Development of local wisdom-based chemical
	education research related to the knowledge of
	chemistry curriculum, knowledge of students'
	understanding, teacher efficacy, knowledge of
	instructional strategies for teaching chemistry,
Local wisdom, locality, and	knowledge of assessment of chemistry learning, and
indegenous knowledge	orientation to teaching chemistry.
	Increased Learning of Students in Chemistry in
	Indonesia through a network between Graduate
	School UNY and various sectors in the region
	Development of chemical education research based
	on Etnochemistry and Chemo Entrepreneurship

Global village, informational	
and communication	Development of multimedia research in learning
community, and borderless	chemistry based on Technology and Information
community	