

## **Research Roles of University and Graduate Study**

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University like other institutions of higher education has two main functions as a responsibility in academic instruction, and the seats of research. In the former time, knowledge appeared in houses or in non – educational institutions especially in Plato’s Academy or in Aristotle’s Lyceum or in the houses of Chinese. Till the nineteenth century, anything was changeable since the Baconian philosophy extolling the virtue of experiments in the basement of science where was based-on scientific method. It was front-hand observation of natural or social phenomena, and events these were not pursued at university nor were engaged in training students for research. So the teachers or professors who response the course in the masks lecturing not only to instruct their students in the existing body of knowledge. When students would or would not become an original scholar depended on their talent and inclination and were no responsibility of professors.

### **The History of Research in University**

In the course of the nineteenth century, there emerged a new conception of the relation between theories though actions which going a new knowledge. It was called a principle of “study and unity of research.” In Europe it was found and adopted of university of Berlin according to plans draw up mainly by the famous philosopher, Wilhelm von Humboldt. Initially, the conception of “research” was still quite traditional, meaning primarily theoretical and philological investigation, and the conclusion of general in liberal education. Came to the nineteenth century, they more for researching development followed in the experimental sciences. Early in the century there were only private laboratory, at homes of some teachers who occasionally, gave some instruction to a few interested students in the laboratory and in universities. History shown in the 1820 university laboratories were established in pure science, chemistry and physiology and till the late of the 1860 also in physic.

As the mentioned already, researches in the present day especially in the universities play the major role of finding new paradigm of knowledge, and together with the responsibility of instruction, academic services for community and cultural and arts preservation. General speaking, there is also different in the way of studies for research conducted. The systems in the

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European and America make greater concession than Asia and Africa. One to the outstanding utilitarian purposes of their students and have made an effect to adjust curricula a teaching and examination to their personal interest. And, most of universities or advance teaching institutions have become increasing specialize fried both in social science (basic science) and pure science. Anyway, there is also a difference in the way studies conducted in spite of growing specialization, the idea of a general training for the professional advanced researches.

### **Problems of University Research and Graduate Study**

Event from the viewpoint of the furtherance of researches at university in developed countries, research mostly gear to the field of scientific inquiry such as physical chemistry, technology generally and several fields of physics and technology. On the contrary, university in less-develop countries or developing countries researchers quite easily focus on social science by questionnaire results. These are company with social problem solving mostly. By the way, there are some obstacles leading to university research and graduate study spheres as follows:

- 1) Intellectual capital, most of advisors or professors are not keen on the new science, particularly in the post-modernization area of new research methodologies.
- 2) Lack of budget or fund, since the government especially in less-developed countries or developing countries concerns the fund of political stability, so the result for university funded by government quite scantily compared to European universities or American universities.
- 3) Most universities usually take place mainly throughout the methodology of survey research. In another perspectives, students play less intention to do advanced research since they usually excuse by the fixed time in the period of their studies.

The old type of university is engaged by teaching university. There is also result or teaching no whether research, such a breadth of education personality, general intellectual ability or literary grace. Thus, the university has to adjust the role of academic sphere in research university. It has also been easy to fit into this framework in the long-scale of an encouragement on institutions of research and development.

As a result, the following, widespread in developing country, the research in science and technology are now increasing processed because the student and both lecturers have done, not in university have a coherence of a discipline or are applied orientation, too. Then the universities,

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### **The total research roles of university and graduate study**

As general known, universities have themselves on research sphere which is leading to new knowledge or new findings should be in;

1. The idea that basic research in frameworks involving teacher and students, guided by professor and advanced researchers choosing freely their problems of investigation on the basis of their individual intellectual taste and interest have to be suggested from professors.
2. The establishment of repeated research institutions is justified partly by finance of government.
3. With the rise of the graduate school especially private university showed control fond the quality of research same the present day those usually occupied in long-paper or independent studies. University research centre will establish throughout the graduate programs and departments provided.
4. Government fund, this is very essential for gaining new body of knowledge, the government should provide more budget and strong engagement about technology scientific and research concerns.

Of course, there are extrinsic reasons why universities should be the principle seats of advanced research and knowledge creation. But while the concentration of research just for a small interested scholar and students, It would be driven throughout their capacity of benefiting from advantage of learning something about research, and accruing a sense of social and scientific advanced truth. This can be found a balance between these two conceding or on the estimate solution of the present problem.

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