SPECIAL KARDONO DARMOYUWONO ISSUE

FOREWORD

Professor Kardono Darmoyuwono passed away when he was developing a resources information system which is highly important for Indonesian national development. Being a geographer he tried to develop the applications of geography to some fields, among other things the geographical information system. His posts both as a professor at the Gadjah Mada University and a Deputy Director of National Coordinating Agency for Surveys and Mapping (BAKOSURTANAL), Jakarta, since 1971, gave him a broad opportunity to make the above effort.

In memory of his dedication to the Faculty of Geography, Gadjah Mada University since the end of 1950s until his death on August 20, 1994, and of his merit for developing geography in Indonesia, his former teacher, Herman Th. Versteppen, his colleagues: R. Bintarto and Basuki Sudihardjo, his former students: Surastopo Hadsumarno, Karmono Mangunsakardjo, Susanto, Sugeng Martoyo, Ida Bogas Mandra, and Sumardo and his former student and staff member, Al. Susanto joined in contributing to this special issue entitled “Special Kardono Darmoyuwono Issue”.

In the death of Professor Kardono Darmoyuwono, the Editorial Board mourns the loss of one of its members who had served “The Indonesian Journal of Geography” since its establishment in 1960, in which he was also one of the founders. All of us have missed a faithful friend. May his soul rest in everlasting peace and may the Almighty grant solace and consolation to his dearly beloved wife and the members of his grief-stricken family.

Editorial Board
OBITUARY:
PROFESSOR KARDONO DARMOYUWONO
1928—1984

by
Herman Th. Verstappen* and Surasto Hadisumarno**

Although he was in fragile health for a long time, the news of Kardono’s death on August 20, 1984, came as an unexpected blow to his friends and to the geographers all over Indonesia and even abroad. One of the Founding Fathers of Indonesian geography had died.

Kardono was born on October 25, 1928 in Madura, East Java. His secondary school years coincided with the turbulent period 1946—1949 during which he became actively involved in Indonesia’s struggle for independence. As a freedom fighter, he participated in the battles of Sidoahaya, Mogaibang, Wonoarjo and Yogyakarta. After this period he married Untiaturun who became his lifetime companion, the mother of his children and a lasting support in all his undertakings.

Kardono enrolled as a student of the newly founded Department of Geography of the Gadjah Mada University in 1951 and he soon became the leader and spokesman of the first batch of geography students of this university. He participated in a geomorphological research project in Sumatra, organized by the Geographical Institute of the Topographical Service in 1955. His final thesis concerned the volcanic Dieng Plateau in Central Java.

Soon after his graduation in 1957, Kardono was appointed as a full-time staff member of the Department of Geography, U.G.M. He carried out his duties with a great feeling for responsibility and he guided the Department through the difficult, early years. In 1960, together with Professor H. Kurniawan and some other colleagues, he founded “The Indonesian Journal of Geography,” which is still having an international circulation.

Kardono also was instrumental in the transformation of the Department into a Faculty of Geography in 1963 and he held the post of Dean of the Faculty for several terms. He became a true leader for the staff and clearly realized the task of geography in Indonesia in meeting the needs for the development of the country. He was nominated full professor in physical geography in 1967.

Kardono’s quiet, level headed personality and innovative ideas were soon recognized and appreciated also outside Gadjah Mada University, and he was appointed Deputy Director for Resource Surveys and Mapping (BARKOSURTANAL) in the early 1970s. In this capacity he introduced the use of satellite remote sensing for resource inventory in Indonesia. He also, in an early stage, realized the importance of a Geographical Information System in this context and subsequently introduced it in Indonesia.

Because he remained a professor of the Gadjah Mada University, he managed to create good relations between BARKOSURTANAL and U.G.M. as is evident from their joint founding of the Training Centre for Image Interpretation and Integrated Surveys (PUPRIGIS) on the campus in Yogyakarta and from the establishment of a Thematic Cartography Unit at the Faculty of Geography.

Kardono was a great promoter of Geography as an integrated science and he gave it strong roots in the country. Particularly since the late 1970s geography has become generally accepted in governmental organizations and numerous geographers now successfully apply geographical concepts throughout Indonesia. Kardono’s inspiring friendliness and wise judgement will be missed by the younger generation of geographers. May his stimulating example be a guide in the years to come.

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PROFESSOR KARDONO DAMROYUWONO

AS A STRATEGIST

by
R. Bintarto and Basuki Sudhardjo

We were acquainted with Professor Kardono Damroyuwono since we were students of the same Department of Geography, Faculty of Letters, Pedagogics and Philosophy, Gadjah Mada University, and our association continued as we worked at the same department which was upgraded into Faculty of Geography, Gadjah Mada University in 1963 until his death. Professor Kardono Damroyuwono was from a teacher family. He lived modestly. When he was a student he had already got married, so that besides his study he could not avoid his responsibility as a head of his family. It was not so easy to bear the financial burden at that time for him as a student and at the same time as a father, but yet he succeeded in obtaining a degree.

As far as I know, Professor Kardono was a calm and open-minded person, and had always good relations with friends not only indoors but also outdoors. Various problems emerged from his family did not hinder his study and consequently his study did not obstruct his daily life at home. This was caused by his courage and his ability to simplify complex problems into simple ones. He was a brilliant person, especially in his subject matter geology, phsyiology and physical geography. This was proved later when he passed his final examination with Cum Laude. He enjoyed field trips and research work. As his partners he had learned a lot from his technical and human approach for applying research techniques in the fields.

Professor Kardono supported not only in his study but also in establishing the Faculty of Geography. He was the one who was very keen and struggled in this effort. Together with his colleagues, such as Professor Bintarto, Drs. Basuki Sudhardjo, and Professor Sarastopo Hadisumarmo, he had set up an appropriate curriculum which was chiefly needed at that time for the sake and existence of the Faculty of Geography. Professor Kardono was always engaged in national and international seminars and workshops which gave several fruitful feedbacks to the faculty and other research institutions in Indonesia.

In the passing of Professor Kardono we have lost a great and good friend, whose encouragement, counsel and wisdom have meant so much to us over the years. We shall all miss him, our partner in research works and development affairs. May he enjoy his eternal rest and the rewards he has earned. May his family derive some measure of comfort in the knowledge that we share their grief with them.

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**PROF. KARDONO DARMOWIJONO ON THE VIEWS OF HIS PROMOVENDI**

We interrupt the usual routine of this publication to note the passing of Prof. Kardono Darmojuwono, a great teacher, an intimate friend and associate. We pause to pay our tribute of love and affection and respect to his memory.

Some of his former promovendi, i.e. Dr. Sutiko, Dr. Sugeng Martopo, Prof. Dr. Sutanto, Dr. Harmono Mangunsukardjo M.Sc., in this occasion, mark their impression to the late Prof. Kardono Darmojuwono, both as his students and as his colleagues, as they had daily contact with him.

Sutiko

Professor Kardono Darmojuwono had fraternal relationship with his colleagues and students. He was calm and patient. His specific smile arising everybody’s sympathy coloured his performance.

As a scientist Professor Kardono Darmojuwono had a very wide horizon in geography as well as geomorphology. He was a good teacher both in class and in the fields. In the course of his career, he got a lot of experiences and knowledge in another sector of works.

Being the promoter in my doctorate program, Professor Kardono Darmojuwono used to give basic ideas and had his promovendi develop the ideas himself. He was a real potential promoter. His guidance was not only limited to scientific values but also in personality improvement. Professor Kardono Darmojuwono always monitored the progress of his promovendi’s activities and motivated him when necessary to relieve him from looking his motive power.

A major role was played by Professor Kardono Darmojuwono in my career since I was a freshman, in choosing geomorphology as my major study at the Faculty of Geography, until I completed my doctorate program.

Sugeng Martopo

Professor Kardono Darmojuwono was a nationalist and patriotic but not chauvinistic. His dedication to the Faculty of Geography as well as to Gadjah Mada University was chiefly prominent. He gave what he had to his alma mater.

Of scientific concepts, he was an open-minded man. He was prone to accept criticisms against his scientific concepts. He always kept pace with scientific and technological advancement. This very fact extremely enabled his promovendi to succeed in their programs of study starting from their research proposals up to the final examination.

During the process of guiding his promovendi in writing their dissertation, he used to suggest the promovendi to build up his own notion in the same time he still gave his guidance and opportunity for discussion and consultation. All of these efforts were made in the hope that the promovendi was capable of making a high quality dissertation. In addition, he gave not only scientific guidance but also any other things he had, especially his valuable experiences. His unforgettable message which is noteworthy is that science is not just for science but it must be applied.

Prof. Kardono Darmojuwono was a splendid man, of great intellect and big heart. This loved and loving husband and father was also my teacher, colleague, and promoter through all the years when our work at the Faculty of Geography brought us into daily association or even when we were apart.

Sutanto

The late Professor Kardono Darmojuwono was an unforgettable teacher, brother, and colleague for at least five reasons, i.e.: (1) his mature concept of science, (2) his keen view for the future, (3) his honest and frank attitude, (4) his strong push and pull for staff upgrading at the Faculty of Geography, and (5) his intimate approach to students, teaching staff members, and administrative staff members.

Everyone was happy to discuss scientific matter with him. He observed everything in the context of the whole setting and he put the discussed thing in the proper arrangement. Consulting him for the doctorate thesis could be carried quickly with a very happy result accordingly. Based on his mature concept of science, his future view was very keen indeed. Many things were realized by other colleagues after some time.

He spoke and behaved so kindly that we did not regard him as merely a teacher, but also as a good father, an intimate brother, and a best friend. He
Karmono Mangunsukardjo

Professor Kardono Darmoyuwono was a broad-minded person. He was so far-seeing that he could anticipate future prospect of the development as well as application of sciences in which he was involved. His opinions were original. He never missed new ideas, so that this made his colleagues surprised. He appreciated his fellows' opinions. He was so flexible with his opinions that this encouraged his colleagues to search for the truth. His immediate adaptability to a new situation is very high. He always took care of someone else's interests but at times he forgot his importance.

As a teacher and a scientist, Professor Kardono Darmoyuwono could explain how to solve complicated problems in a simple and systematic way. He loved Gadjah Mada University as his alma mater and the natural environment created and gained by God. He was a calm and modest professor, inclined to be extremely cautious in his performance, acutely conscious of his responsibilities and prone to depreciate his own abilities. Besides, he was so simple and realistic that he could influence people surrounding him to have a pragmatic thinking.

The late Professor Kardono Darmoyuwono, as I recognize, was a teacher, boss, and father. As a teacher, he taught me when I was a student at the Faculty of Geography, Gadjah Mada University. As a boss, he had been my leader for approximately 10 years, when he acted as Deputy II Chairman in the field of Basic Survey of Natural Resources at the National Coordinating Agency for Survey and Mapping (BAKOSURTANAL). As a father, informally outside the office, he gave advices, views, and offers to discuss any problem or to interchange opinions and ideas about various problems of life in the world.

When he was a university instructor, I did not have any opportunity to recognize him more closely, because he taught me for one semester only, that is in 1970 when he taught “Kepala Sekretaris Geomorphologi Indonesia” (Chief Secretary of Geomorphology of Indonesia). After my graduation in 1973, I worked for BAKOSURTANAL, where I had the opportunity to have a close daily contact with him. Being a high officer who had a policy maker function, he has provided a great contribution to the development of BAKOSURTANAL. Without minimizing the significance of any other colleagues' contributions to BAKOSURTANAL, his outstanding contributions have been at present the two of the BAKOSURTANAL trade marks: (1) the application of remote sensing techniques to the Indonesian natural resources inventory; (2) the development of National Resources Information System on the geographically referenced base.

The two items above today have an important role in supporting the development planning of regional potential. Professor Kardono Darmoyuwono, I think, was not only a creator who always had an original idea but also a futurist, since his idea sometimes reached future since when these will be important in the next 5 to 10 years. In addition, he is a Deputy Chairman, my boss, for

me, he was also a good father who was not authoritative. He could hear suggestions and complaints from his children or staff. Even though he was an instructor, his suggestions and advice were generally subject to further development. Whereas he helped other persons, he preferred to give a hook rather than fish.

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ORIGINS, GROWTH AND FUTURE OF GEOGRAPHY IN INDONESIA
To the memory of Prof. Drs. Kardono Darmoyuwono
by
Herman Th. Vastappen* and Sunarto Hadisumarno**

1. THE BEGINNING OF EXPLORATION AND EARLY GOVERNMENT ACTIVITIES

Numerous investigators and voyages have, since the early days of exploration, contributed to our knowledge of the geography of the territory covered by the Republic of Indonesia. Their publications are a primary source from which ultimately modern geography has emerged. It is not possible to mention the names of all these explorers, firstly because the list would be too long, and secondly because it would be difficult to draw a sharp boundary between geography and non-geography. In fact, most of them were not geographers in the modern sense of the word, but generally, which was in accordance with the concepts and the state-of-the-art then prevailing. An outstanding example from the 16th century is the well-known “Ambachtschep Riehterkorener”, published by Fruhoffus (1805). The three-volume classic “Java zijne gedaante, zijn planten-
tooen en invendige bouw” by Junguhm (1855), and “Java” by Veth (1903) deserve mention in this context as contributions from the 19th century.

Apart from the investigations carried out by individuals scientists and/or naturalists, expeditions were initiated and wholly or partly financed by organisations such as the Royal Dutch Geographical Society (KNAAG), the “Treat Society for Scientific Research in the Indies”, etc. The first one of these was the KNAAG expedition to Central Sumatra in 1877-1878. It was followed by such projects as

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