KANDUNGAN

1. DARI SEJARAH & FALSAFAH SAINS KEPADA PENGAJIAN SAINS & TEKNOLOGI: TANGGUNGJAWAB INTELEKTUAL DALAM PEMBANGUNAN NEGARA
   Amran Muhammad

2. SATU PERSPEKTIF LOKAL HUBUNGAN SAINS DENGAN AGAMA
   Azizan Baharuddin

3. ETIKA DAN ISU-ISU BERKAITAN DENGAN INDUSTRI MAKANAN
   Che Wan Jasimah Wan Mohamed Radzi

4. TOWARDS A DYNAMIC NATIONAL INNOVATION SYSTEM: LESSONS FOR POLICY MAKING IN MALAYSIA
   K. Thiruchelvam

5. SCIENCE AS "EPISTEME" AND SCIENCE AS "TECHNE": THE DIFFERING ROLES OF SCIENTIFIC KNOWLEDGE IN PRE-MODERN AND MODERN CULTURES
   Mohd Hazim Shah

6. PERANAN TEKNOLOGI KOMUNIKASI DAN MAKLUMAT DALAM KOMUNIKASI SAINTIFIK
   Mohd Zuhdi Marsuki

7. SCIENCE AND ITS VALUE: THE NEED FOR SCIENCE AND TECHNOLOGY STUDIES
   Ng. Boon-Kwee
FOREWORD

The History and Philosophy of Science course was first introduced at the University of Malaya in 1976, when it was taught as a compulsory subject for all science students in the Faculty of Science, when I was then the Vice-Chancellor. In the first year, the course offered was “introduction to Science”, in the second year it was the “Methodology of Science”, in the third year it was “History of Science”, an in fourth and final year, the students took “Philosophy of Science”. In a sense it was a revolutionary move within Malaysian science education because it was the first time in the history of Malaysian university education that science students were exposed to the humanities-albeit one that bears a certain relationship to the sciences.

From such humble beginnings, the programmed-which was then known as Complementary Science, and placed under the Dean’s Office-eventually expanded into a full-fledged academic programmed and the Department of Science and Technology Studies was established in 1997. The Department offers two undergraduate programs, i.e. B.Sc in History and Philosophy of Science, and B.Sc in Policy and Management of Science and Technology, and a taught Master’s by coursework. It also offers Master’s and PhD courses by research. Currently the Department has 10 full time lecturers, 4 tutors, 3 general staff, about 30 postgraduate students, and about 100 undergraduates.

Now the Department has broadened its academic programs and research interests to include not only the History and Philosophy of Science, but also Science and Technology Policy and Management. We feel that there is still a lack of information, materials, studies and analyses on the state of science and technology in Malaysia especially, including its history and philosophy, and this therefore sets a task for Malaysian academics to carry out research to fill such gaps in knowledge. The Department has been active in organizing Conferences, publications and research in Science and Technology Studies, and this book offers another testimony to such endeavors.

Royal Professor Ungku Aziz