

**Adviser**

Dato' Hjh. Wan Ramlah Wan Abd Raof  
*Chief Statistician Malaysia*

**Editor-In-Chief**

Omi Kelsom Hj. Elias  
*National Accounts Statistics Division*

**Editorial Board**

Tay Suan See  
*Services Statistics Division*

Ismail Abdullah  
*Statistical Training Division*

Hj. Azahari Mohd Raslan  
*Data Coordination Division*

Rozita Talha  
*Population and Housing Census  
Statistics Division*

Nazaria Baharudin  
*Research and Development Division*

Zainuddin Ahmad  
*External Trade Statistics Division*

Dorairaju Suppan  
*Prices, Income and Expenditure  
Statistics Division*

Jamaliah Jaafar  
*Industrial Production and  
Construction Statistics Division*

Rafliza Ramli  
*Manpower and Social Statistics  
Division*

Jamia Aznita Jamal  
*National Accounts Statistics Division*

**JOURNAL OF THE DEPARTMENT  
OF STATISTICS, MALAYSIA**

---

**STATISTICS MALAYSIA**

---

**Volume 2, 2009****DEPARTMENT OF STATISTICS,  
MALAYSIA**

The Journal Statistics Malaysia, is published by the Department of Statistics, Malaysia.

**Editorial Correspondence** should be addressed to

Editor-in-Chief,  
Journal Statistics Malaysia,  
Department of Statistics, Malaysia,  
Level 8, Block C6, Complex C,  
Federal Government Administrative Centre,  
62514 Putrajaya, Malaysia.

**Business Correspondence** for subscriptions should be addressed to

The Secretariat,  
Journal Statistics Malaysia,  
Research and Development Division,  
Department of Statistics, Malaysia,  
Level 7, Block C6, Complex C,  
Federal Government Administrative Centre,  
62514 Putrajaya, Malaysia.

The views and opinions expressed are those of the authors and do not necessarily reflect the views of the Department, editors and publisher.

© **Copyright 2009 Department of Statistics, Malaysia.**  
**All right reserved.**

## Foreword

This issue presents three articles and nine abstracts of selected papers presented during the National Statistical Conference 2009. The first article dwelled on Population and Housing Census.

DOSM has had a long experience in undertaking Population and Housing Censuses, apart from its responsibility of collecting, interpreting and disseminating statistics in other fields. Since the formation of Malaysia in 1963, DOSM has conducted four censuses in 1970, 1980, 1991 and 2000. The fifth census will be conducted in July 2010.

The article outlined the technology and new approach that will be adopted to enhance the implementation of the 2010 Census. The author highlights the enhancement in the utilisation of Geographical Information System (GIS) in the mapping process, multi-modal approach in enumeration via e-Census and drop-off pick-up (DOPU), data processing activity using Intelligent Character Recognition (ICR) and data dissemination via census portal.

The fundamental in developing the estimation of Gross Domestic Product by income approach (GDP (I)) in Malaysia is discussed in the second article. In responding to the stakeholders' needs and providing a better analytical tool in formulating and planning Malaysia's development policies, DOSM initiated the estimation of GDP (I) beginning 2007.

In the third article, the author examines the better model between Simple Linear Regression model (SLR) or Holt's Linear Trend model to predict the number of deaths in Malaysia. The best prediction techniques were obtained using the smallest root mean squared error (RMSE). Hence, the study showed that the better model for predicting the number of deaths by occurrence in Malaysia depends on the approach used and the duration.

The selected abstracts published in this issue encompass a wide spectrum of issues related to the statistical community. The topics include the statistical system; the changing role and requirements of statistics providers; enhancement of statistical system as well as the transformation of statistics into meaningful indicators used for economic monitoring, KPIs measurement, demographic GIS, international investment and identifying the hard core poor. Interested readers are invited to view the full article on the Department's website [www.statistics.gov.my](http://www.statistics.gov.my).

Commencing from June 2010, publication of the journal has been selected as one of the Key Performance Indicator (KPI) cascaded to divisions and state offices of the Department. Hence, divisions and state offices are obliged to contribute articles as outlined in the KPI. In view of the response of individuals indicating interest to submit articles as well as broadening the perspectives of this journal, fraternity of the Department is highly encouraged to co-write articles with their respective partners on related subject matters. With this, the culture of documenting knowledge and experiences in the field of statistics will be enhanced.

OMI KELSOM ELIAS,  
Editor-in-Chief,  
Journal of the Department of Statistics, Malaysia



**Contents**

---

Population and Housing Census Malaysia 2010:  
Development in Technology and Approach

Rozita Talha,  
Prema Letha Nair and  
Muhammad Fadzil Ismail

Measuring Gross Domestic Product  
- Using Income Approach

Razaman Ridzuan and  
Syed Ibrahim Mohd Jamaluddin

Prediction Number of Deaths by Occurrence  
in Malaysia:  
A Comparison between Simple Linear  
Regression Model and Holt's Linear Trend Model

Mohamad Adam Bujang,  
Tassha Hilda Adnan,  
Premaa Supramaniam,  
Abd Muneer Abd Hamid and  
Jamaiyah Haniff

Selected Abstract of papers presented in the  
National Statistical Conference, 2009

---