

**INFRASTRUCTURE & PUBLIC UTILITIES: ANALYSING THE NEED FOR PUBLIC TRANSPORT; A CASE STUDY OF KERIAN**

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Good cities need effective public transport. It plays a vital role in creating competitive economies, and liveable, inclusive communities. Public transport enables people to access families and friends, jobs, recreation, education, health care and the many activities that contribute to individual and community wellbeing. It provides independence for people who cannot or do not drive. This report compiled the data and findings of public transport study at Kerian District Perak. The report was compiled in 2012 and presents a summary of key policy, planning, and operational data and issues relevant to understanding the current status, potential issues, and future directions public transport in Kerian District. The chapters information contained in the body of this report contributes to a cohesive vision for a future transportation system. The generalisation findings from this study is subjected to the data collected according to the specific time. Survey was conducted during the offpeak of public transport services. Findings can be different if longer survey period is conducted, survey is conducted during peak hours, more allocation on funding to do on-board survey in multiple times and equip with more numbers of enumerators.

**Reccomendations**

In general, based on the study conducted for Kerian public transport system, it is considerable potential exists to adopt international best practices in public transport to:

- improve the cost effectiveness of local public transport
- Identify long-term requirements for future capital investment in new rolling stock and infrastructure.
- plan the comprehensive network across the whole city region
- impose new technology in the public transport system

On this basis, we recommend that:

- a. Upgrade the public bus vehicle with new system of ticketing, more ergonomic design of seating and ring button and air conditional system. x. Redesign the bus stop with standard design motif and equip with shelter, curb, public phone, lighting and trip schedule information.
- b. Upgrade the ticket counter layout and enforce the display of route and fare on the front of counter.
- c. Allocate an electronic display monitor of route and trip timetable at the bus station.
- d. Dedicate lanes for bus and taxi to upgrade the LOS of speed and frequency of public transportation system in Kerian.
- e. Provide route diversification to offer more comprehensive and excellent public transport system that cater all level of public transport user. It is strongly recommended that, the route of bus service in Kerian being diversified according to route:
  - To city/centroid with 30minutes/interval
  - Suburb to suburb/orbital with 1 hour/interval
  - Special/disabled/centre to suburb or suburb to centre with 2 hour/interval/on demand
- f. Provide rolling stock diversification to upgrade the LOS in the public transport system
- g. Plan for possibility to integrate the bus service and train service in Kerian with feeder bus route from bus stations to train stations

Further details and examples of the best practice that can be implemented in Kerian socioculture is presented in the Table below.

### **Tindakan**

- Telah dibentangkan di dalam Majlis Mesyuarat Kerajaan Negeri (MMK) pada tahun 2013.
- Telah dibentangkan di Seminar Penyelidikan Tahunan IDR Pertama (ke-1) yang telah diadakan pada tahun 2014.