

"Safer Journey, Sustainable Future



PUTRAJAYA INTERNATIONAL CONVENTION CENTRE (PICC), PUTRAJAYA

Auditory cues 5-10%

Detection for

- Distance
- Direction
- Time arrival

Visual cues 90-95%

















CONVENTION CENTRE (PICC), PUTRAJAYA

Motorcycle Safety Initiatives in Malaysia

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2-4 SEPTEMBEI

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Motorcycle advantages

- Economic
- •Slim size
- Minimal space

















On the ground, 42.2% > speed limit and 28.6% beyond 85th percentile



Ways to curb speeding

- 1. Awareness and Education
- 2.Enforcement
- 3. Road Design

4.Technology

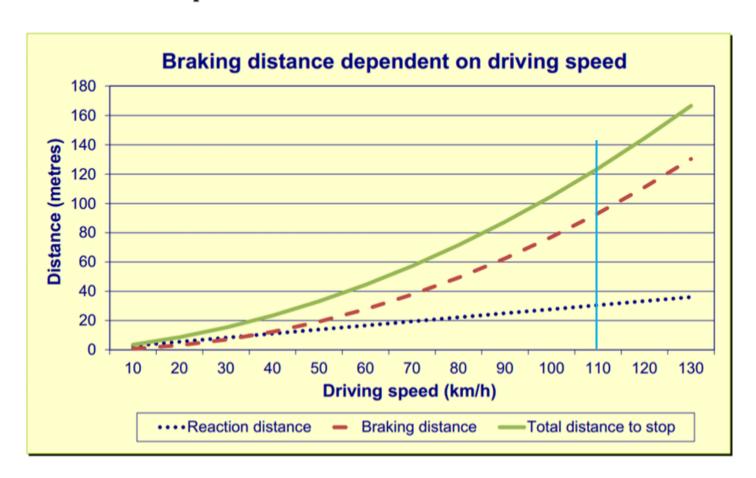
55 Community Engagement





TEMBER | PUTRAJAYA INTERNATIONAL

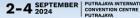
Figure 2.2. Distance in metres needed for an emergency stop on a wet road surface at various speeds, with a one-second reaction time.



Source: SWOV, 2012









Motorcycle ABS benefits

- Conventional brakes
 - require more skill to use effectively and
 - pose greater risks, for less experienced riders
- ABS helps prevent wheel lock-up
- > improving control and reducing risk of skidding
- ABS can potentially reduce stopping distances in many situations, especially on slippery surfaces











Effectiveness in crash reduction

- 22-37% (US)
- 24-42% (Europe)
- Reduction in injury severity









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Technologies for safer motorcycling

- Motorcycle Collision Alert System
- Combined Braking System (CBS)
- Electronic Stability Control (ESC)
- Traction Control System (TCS)
- Adaptive Headlights
- Smart Helmets
- Emergency Brake Assist









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Thank you for your attention azhar@miros.gov.my

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