Computers that Learn: Never Ending Language Learner (NELL)
Practical Applications in the context of Indonesian Development

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Indonesian Focus 2012
Overview

• Short Video: Introducing NELL
• Practical applications of NELL in the context of Indonesian Development
Introducing NELL

Discovery 2020

introducing “NELL”
Practical Applications of NELL

in the context of
Indonesian Development
Traffic Jams (Macet!)
Macet Tweets

Live info of Traffic Jam around Jakarta, Indonesia

Thursday 8 Nov 2012, 10.00 AM
Politicians (Jokowi?!)

[Image of Joko Widodo]
Jokowi Tweets

What people are saying about Jokowi
Farmers
Applications of NELL

• Lots of data!
• NELL can extract information automatically
• Information gathered can be useful for:
  – Providing live stream of information to the public
    • Where is the traffic jam? Where to buy cheapest produce? What crop to plant and when? Where to sell farm produce?
  – Providing information to policy makers, helping them make a better, more informed decisions
    • What does the public need? What do they think of my policy on flood? What do they think of my performance so far?
Challenges, Potentials and Opportunities

• Indonesia is home to 240 million people, speaking Bahasa Indonesia
• 75% of population are mobile subscribers
  – Popular means of accessing the internet
• 20% of the population use Facebook
  – View social network sites 6 billion times a month
• 8% of the population use Twitter
  – In average generate 6 million tweets every day
Q&A

• Thank you!
Appendix

• This point forward will not be covered in the talk
Indonesia

- Population: 4th most populous in the world
- Language: Bahasa Indonesia
- Spoken by: over 240 million people
- Literacy: 90.4% age 15 and over

Source: CIA – the World Factbook
Internet in Indonesia

- Internet will grow by **13%** per year
- **75%** of population are mobile subscribers
  - Most popular means of accessing the Internet
- **20%** of population use Facebook (world’s 4th)
  - View social network sites **6 billion times** / month
- **8%** of population use Twitter (world’s 5th)
  - **87%** tweets come from mobile devices

Source: FactBrowser.com
SocialBakers.com
Twitter in Indonesia

Never Ending Streams of Indonesian Tweets

Lots of interesting data and information!
Twitter in Indonesia

What people are **talking** about (around Jakarta Indonesia, Thursday, 8 Nov 2012, 10.25 AM)

Source: TrendsMap.com