

Kuliah Minggu I

PENGANTAR INTERAKSI MANUSIA & KOMPUTER

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PENDAHULUAN

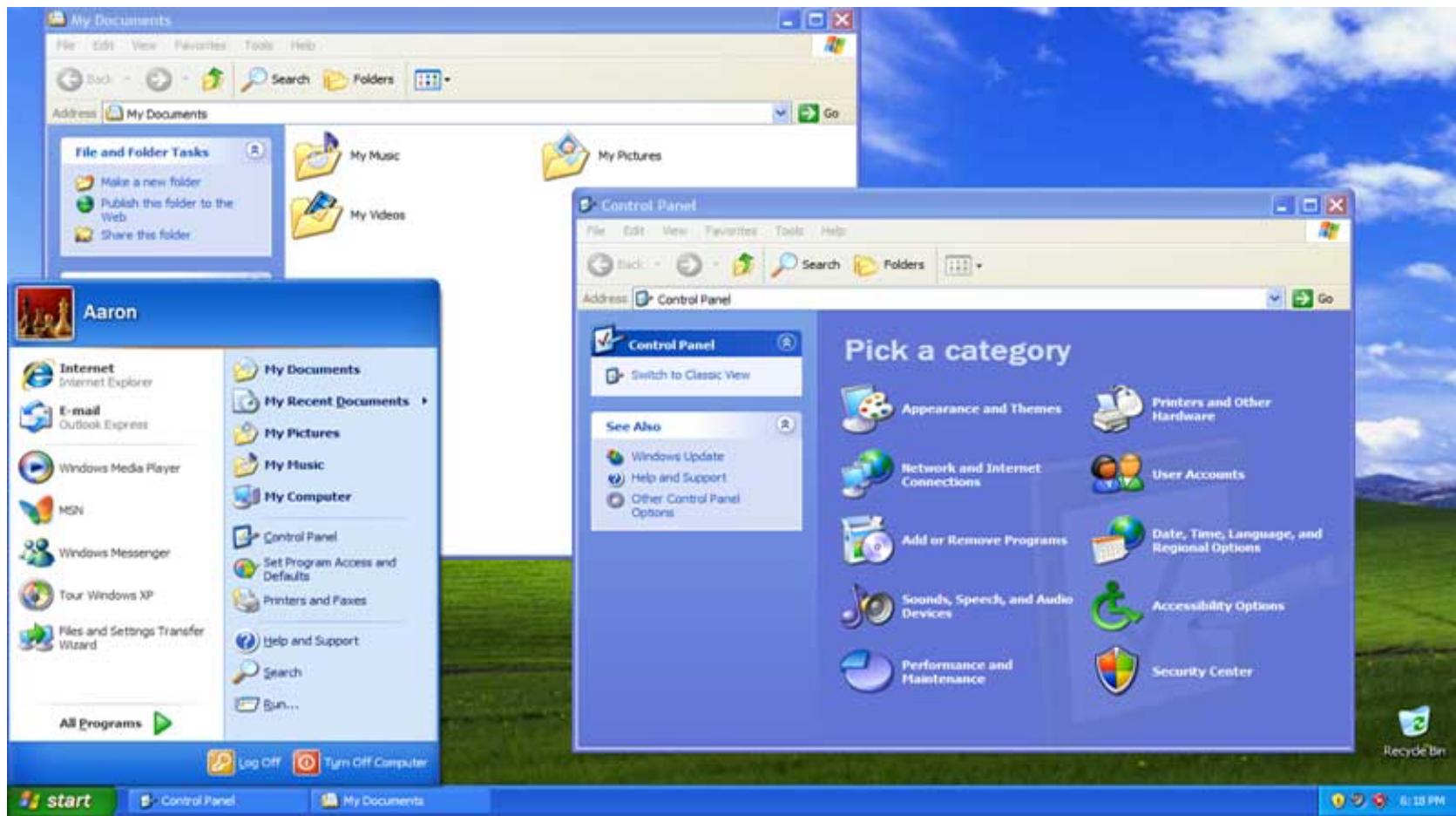
- Desainer antarmuka aplikasi (*user-interface*) adalah pahlawan transformasi
- Transformasi dari template tampilan komputer menjadi tampilan dalam smartphone



17:02

57%

PENDAHULUAN (2)



PENDAHULUAN (3)

- Dampaknya, pengguna merasa nyaman dan lancar dalam mengoperasikan perangkat smartphone



PENTINGNYA ILMU IMK

- Transformasi berhasil karena para peneliti dan desainer telah mempelajari ilmu desain yang bersifat multi disiplin
- Ilmu tersebut dinamakan *Human Computer Interaction* (HCI) atau Interaksi Manusia dan Komputer (IMK)

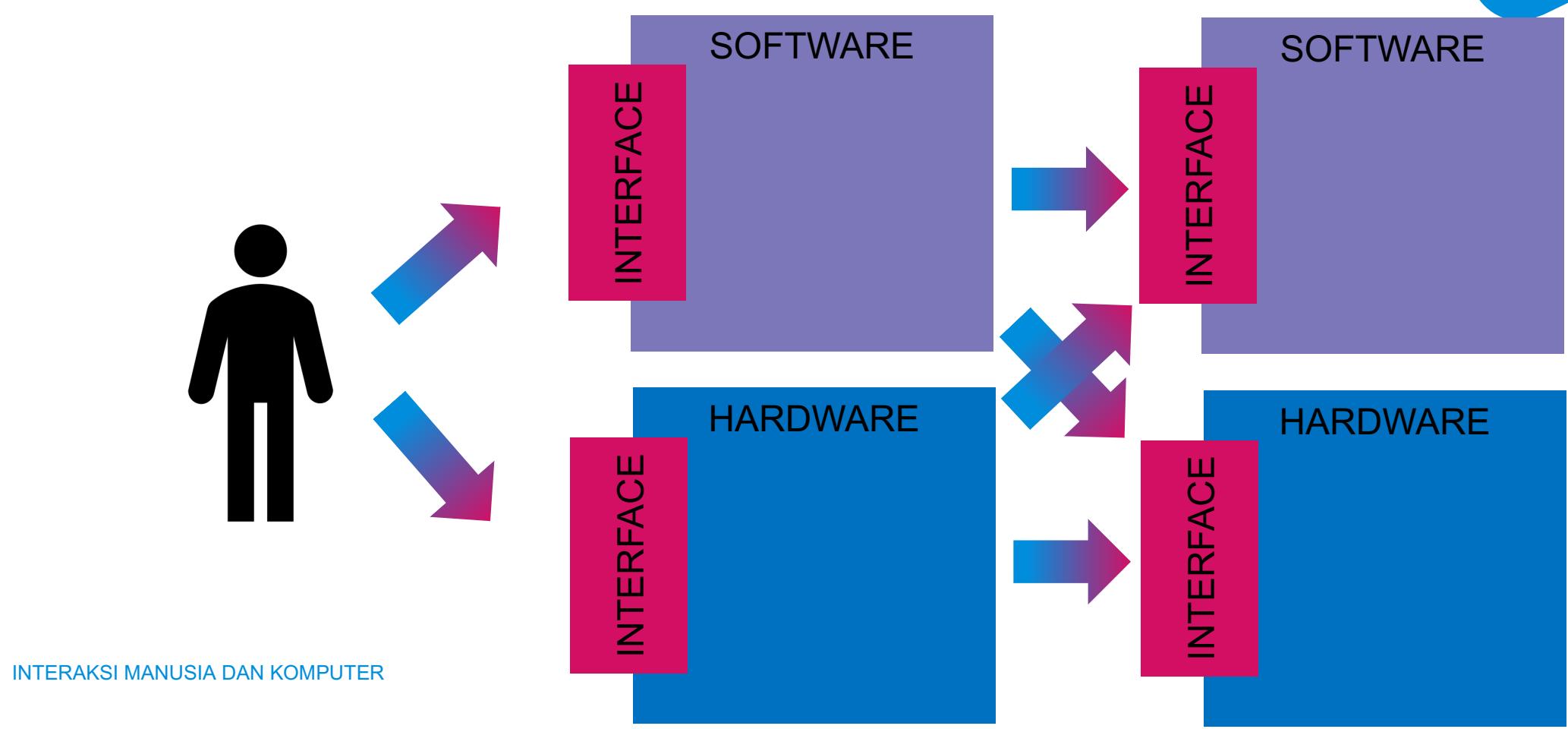


PENTINGNYA ILMU IMK (2)

- IMK menggabungkan konsep dari ilmu psikologi manusia, desainer, ergonomi, antropologi, dan sosiologi
- Ruang lingkup ilmu IMK meliputi teori, desain, implementasi, dan evaluasi bagaimana manusia menggunakan dan berinteraksi dengan komputer



ANTARMUKA SOFTWARE & HARDWARE



MANFAAT IMK DI BERBAGAI BIDANG

- Pilot mampu menerbangkan pesawat dengan baik
- Dokter bisa mendiagnosis pasien secara akurat



PRINSIP IMK

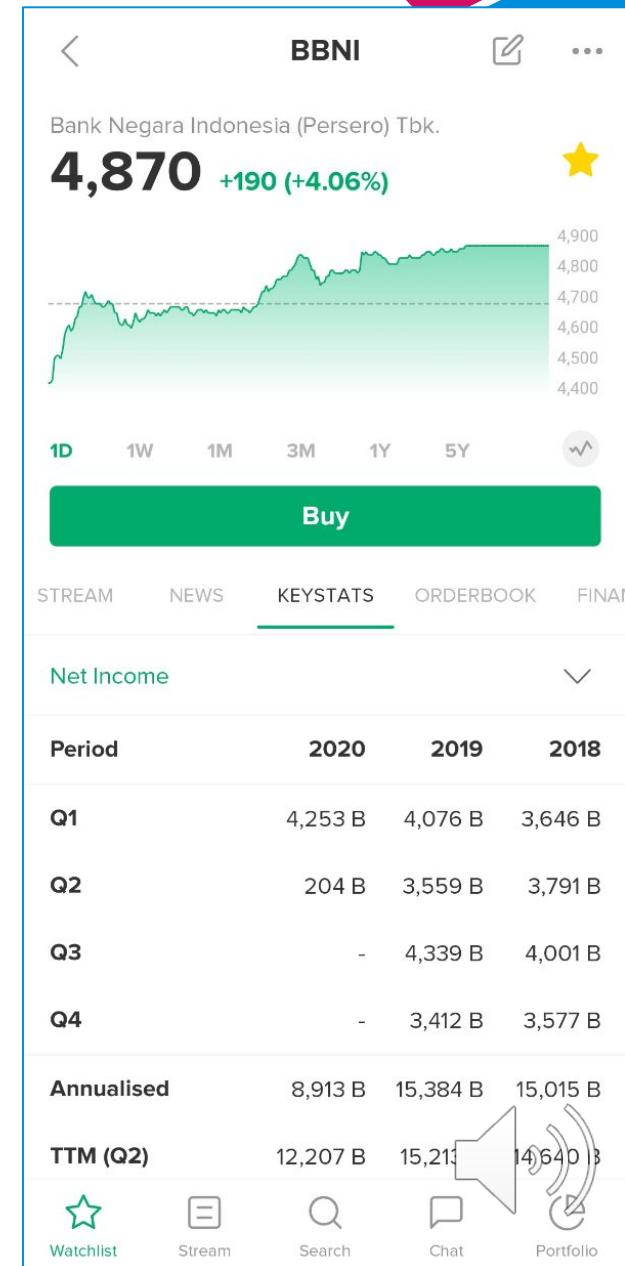
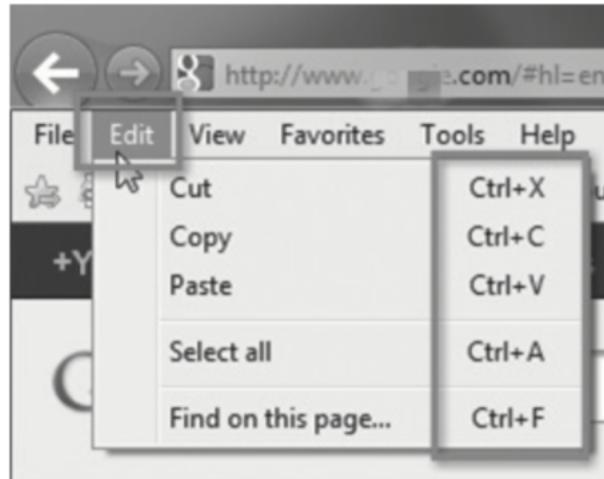
1. Know your users
2. Understand the Task
3. Reduce Memory Load
4. Strive for Consistency
5. Remind Users and Refresh Their Memory
6. Prevent Errors/Reversal of Action
7. Naturalness



1. KNOW YOUR USERS



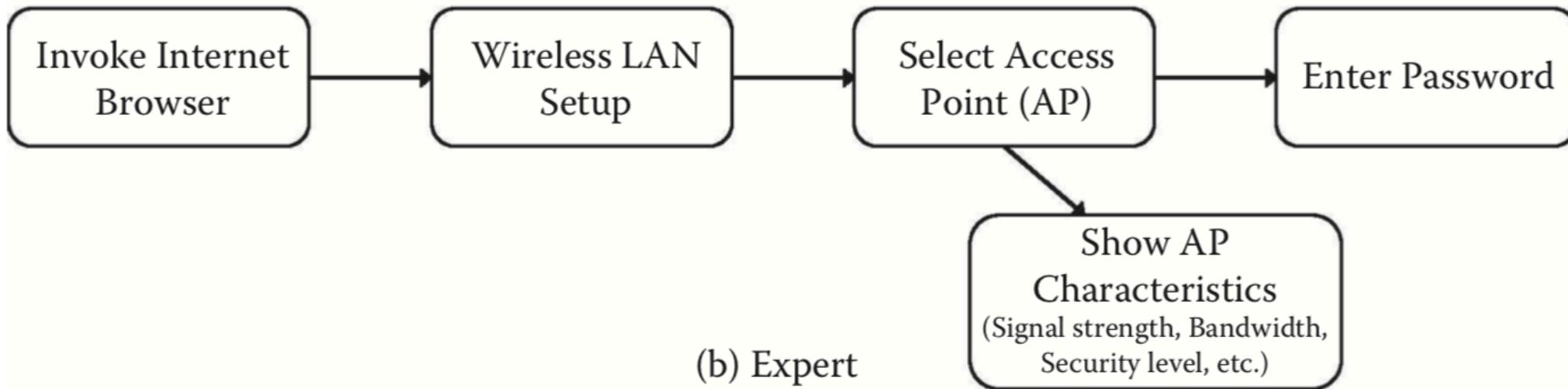
INTERAKSI MANUSIA DAN KOMPUTER



2. UNDERSTAND THE TASK



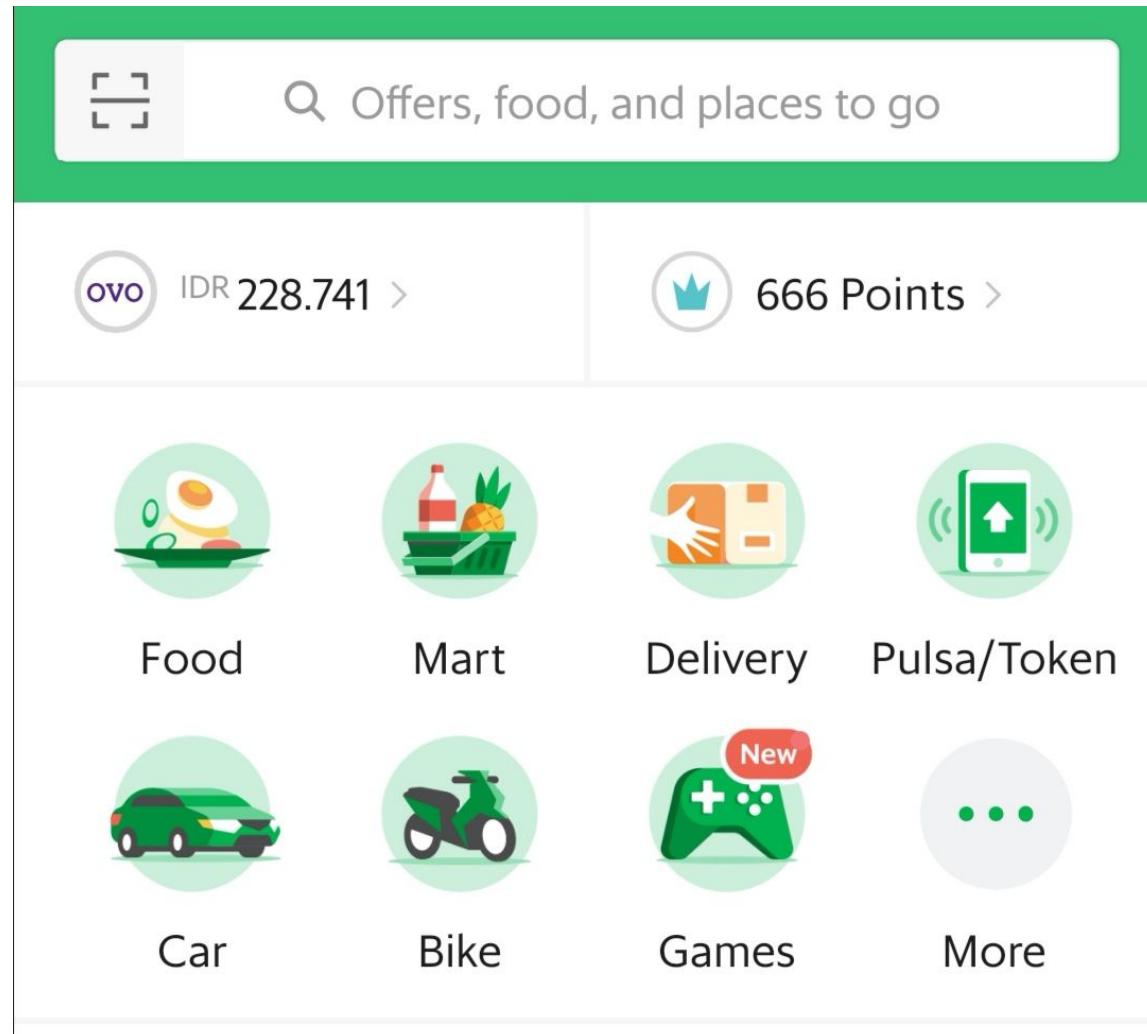
(a) Novice



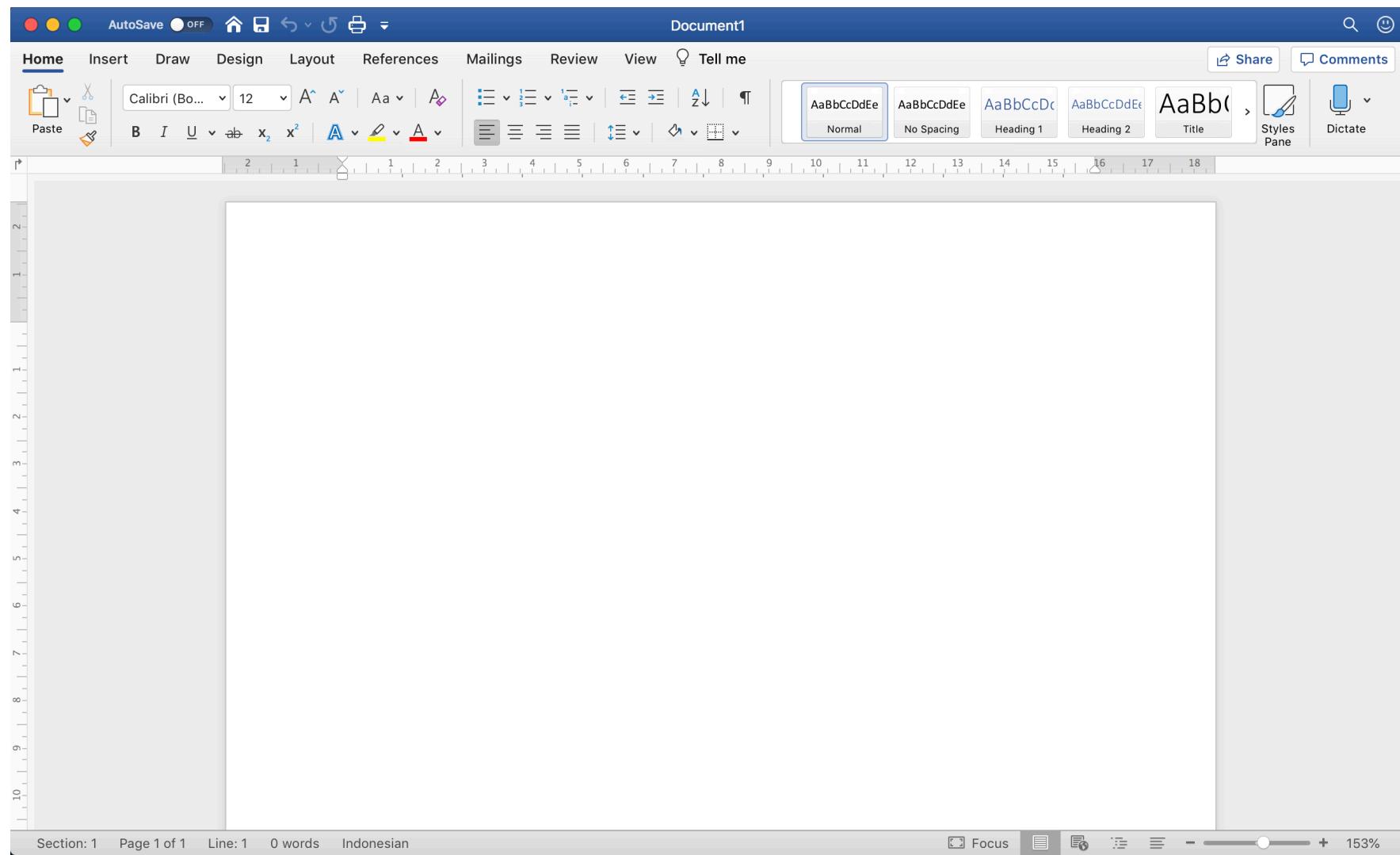
(b) Expert



3. REDUCE MEMORY LOAD



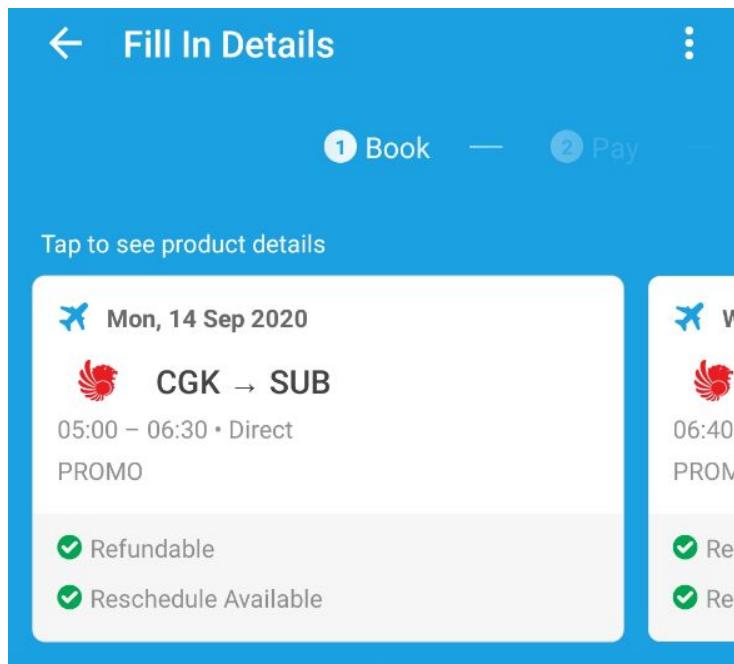
4. STRIVE FOR CONSISTENCY



The image shows a Microsoft Word document window titled "Document1". The ribbon at the top is set to the "Home" tab, displaying various formatting options like font, size, bold, italic, and alignment. A style ribbon below the ribbon shows "Normal" selected. The main area is a blank white page with a vertical ruler on the left side. The status bar at the bottom indicates "Section: 1 Page 1 of 1 Line: 1 0 words Indonesian". The zoom level is set to 153%.



5. REMIND USERS AND REFRESH THEIR MEMORY



A

Logged in as Arya

via +6285739377052

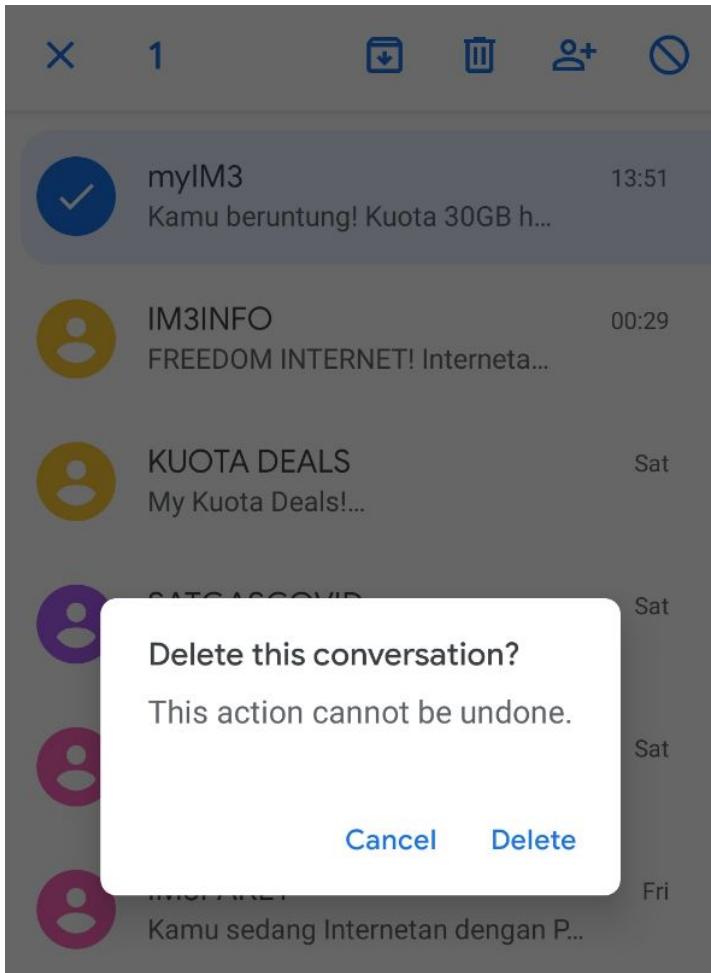
Contact Details (for E-ticket/Voucher)

I Putu Arya Dharmadi

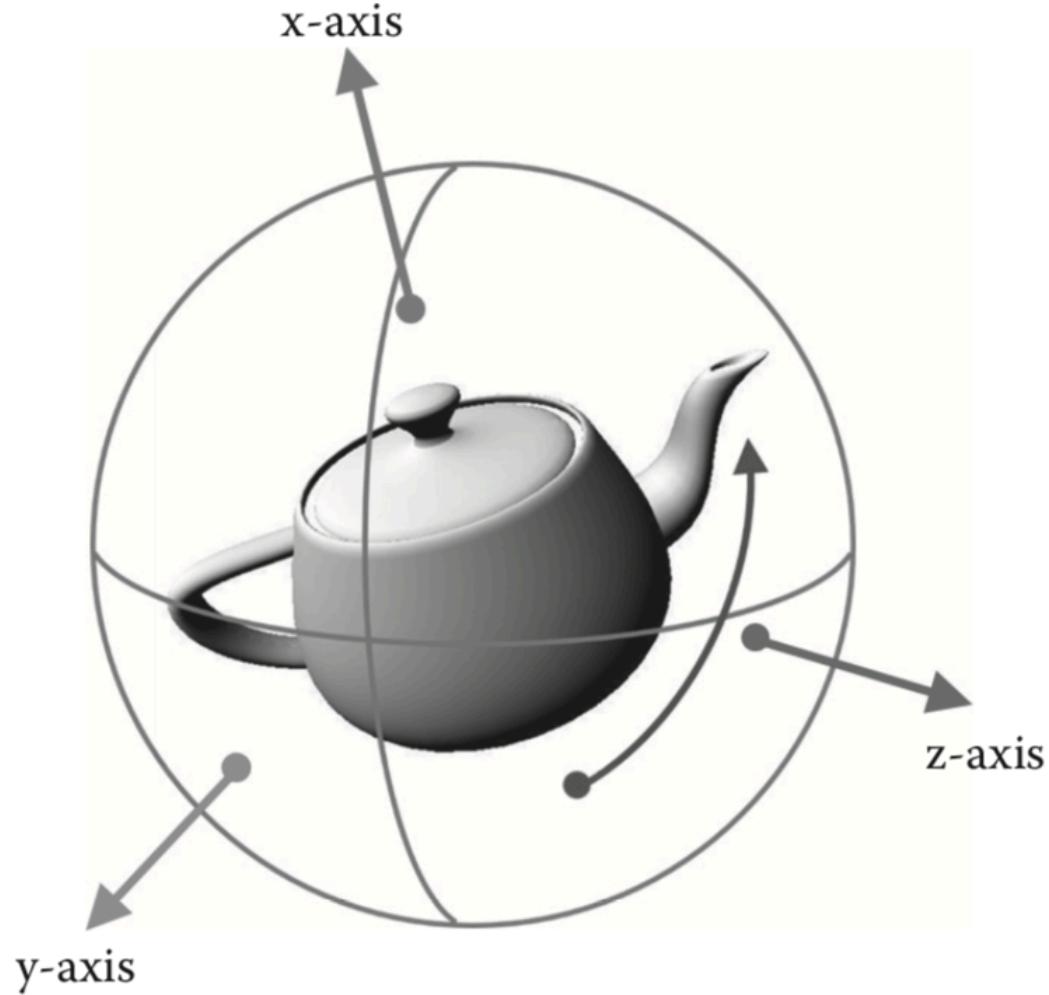
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6. PREVENT ERRORS/REVERSAL OF ACTION



7. NATURALNESS



NEXT . . .

USABILITY



REFERENSI

