



UNIVERSITAS KOMPUTER INDONESIA

BAB II.

MEMULAI PROYEK ANDROID

PERTAMA

Dosen Pembina :
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JDK

Download JDK terbaru dari link dibawah ini

<http://www.oracle.com/technetwork/java/javase/downloads/index.html> (tanggal akses : 7 Maret 2013)

The screenshot shows the Oracle Java SE Downloads page. On the left, there's a sidebar with links for Java SE, Java EE, Java ME, Java Support, Java Advanced, and more. The main content area has tabs for Overview, Downloads (which is selected), Documentation, Community, Technologies, and Training. Below these tabs, there are buttons for Latest Release, Next Release (Early Access), Embedded Use, and Previous Releases. The Latest Release button is highlighted. In the center, there's a large button for "Java Platform (JDK) 7u17" with a "DOWNLOAD" button below it, which is circled in red. To its right is a smaller button for "JavaFX 2.2.7". On the right side, there are two sections: "Java SDKs and Tools" and "Java Resources", each containing several links. At the bottom, there's a section for "Java Platform, Standard Edition" with links for Java SE 7u17, JDK, and JRE.

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Java SE Downloads

Latest Release Next Release (Early Access) Embedded Use Previous Releases

Java Platform (JDK) 7u17 DOWNLOAD

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Java SDKs and Tools

- Java SE
- Java EE and Glassfish
- Java ME
- JavaFX
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- NetBeans IDE

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- New to Java?
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- Code Samples & Apps
- Developer Training
- Documentation
- Java.com
- Java.net
- Student Developers
- Tutorials

Java Platform, Standard Edition

Java SE 7u17 This release includes important security

JDK DOWNLOAD

JRE DOWNLOAD

NEW!

Eclipse

Download Eclipse terbaru dari link dibawah ini

<http://www.eclipse.org/downloads/> (tanggal akses : 7 Maret 2013)

The screenshot shows the Eclipse Downloads page. At the top, there's a banner for EclipseCon Boston 2013, a 'Starts in 3 weeks' announcement, and a 'Register Now' button. Below the banner is a navigation bar with links to Home, Downloads, Users, Members, Committers, Resources, Projects, and About Us. There's also a Google Custom Search bar and a 'Search' button. The main content area has a purple header 'Eclipse Downloads'. Below it, there are tabs for 'Packages', 'Developer Builds', and 'Projects', with 'Packages' currently selected. A red circle highlights the first item in the list: 'Eclipse IDE for Java EE Developers, 228 MB'. To its right are download links for Windows 32 Bit and Windows 64 Bit. The list continues with other packages: 'Eclipse Classic 4.2.2, 183 MB', 'Eclipse IDE for Java Developers, 150 MB', 'Eucalyptus Private and Hybrid Cloud Software' (marked as a 'Promoted Download'), 'Eclipse IDE for C/C++ Developers, 130 MB', and 'Eclipse for Mobile Developers, 144 MB'. Each package entry includes a download count and a 'Details' link. To the right of the package list is a sidebar titled 'Installing Eclipse' with links to an 'Install Guide', 'Compare/Combine Packages', 'Known Issues', and 'Updating Eclipse'. At the bottom right is an advertisement for JRebel with the text 'STOP REDEPLOYING IN ECLIPSE' and 'INSTALLED OVER 45,000 TIMES'.

ECLIPSECON
BOSTON 2013
March 25-28

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Packages Developer Builds Projects

Eclipse Juno (4.2) SR2 Packages for Windows

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Eclipse IDE for Java Developers, 150 MB
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- Known Issues
- Updating Eclipse

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JRebel

INSTALLED OVER **45,000 TIMES**

Transferring data from www.eclipse.org...

Android SDK (1)

Download Android SDK terbaru dari link dibawah ini

<http://developer.android.com/sdk/index.html> (tanggal akses : 7

Maret 2013)

Developer Tools

Get the Android SDK

The Android SDK provides you the API libraries and developer tools necessary to build, test, and debug apps for Android.

If you're a new Android developer, we recommend you download the ADT Bundle to quickly start developing apps. It includes the essential Android SDK components and a version of the Eclipse IDE with built-in ADT (Android Developer Tools) to streamline your Android app development.

With a single download, the ADT Bundle includes everything you need to begin developing apps:

- Eclipse + ADT plugin
- Android SDK Tools
- Android Platform-tools
- The latest Android platform
- The latest Android system image for the emulator

If you prefer to use an existing version of Eclipse or another IDE, you can instead take a more customized approach to installing the Android SDK. See the following instructions.

USE AN EXISTING IDE

If you already have an IDE you want to use for Android app development, setting up a new SDK requires that you download the SDK Tools, Java Development Kit, and Android SDK packages to install (such as the Android platform and system image). If you'll be using an existing version of Eclipse, you can add the ADT plugin to it.

Download the SDK Tools for Windows

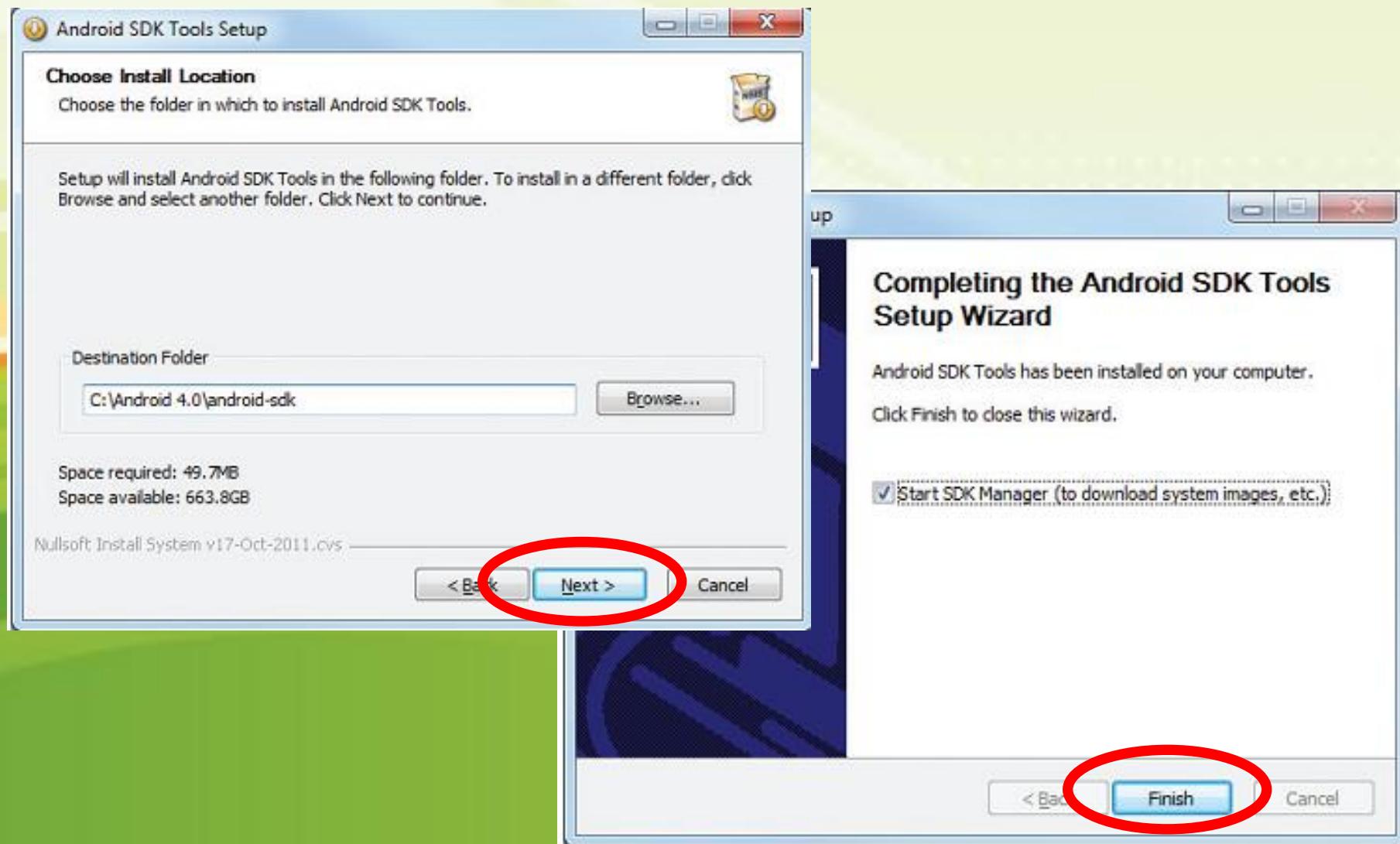
SYSTEM REQUIREMENTS



Download the SDK
ADT Bundle for Windows

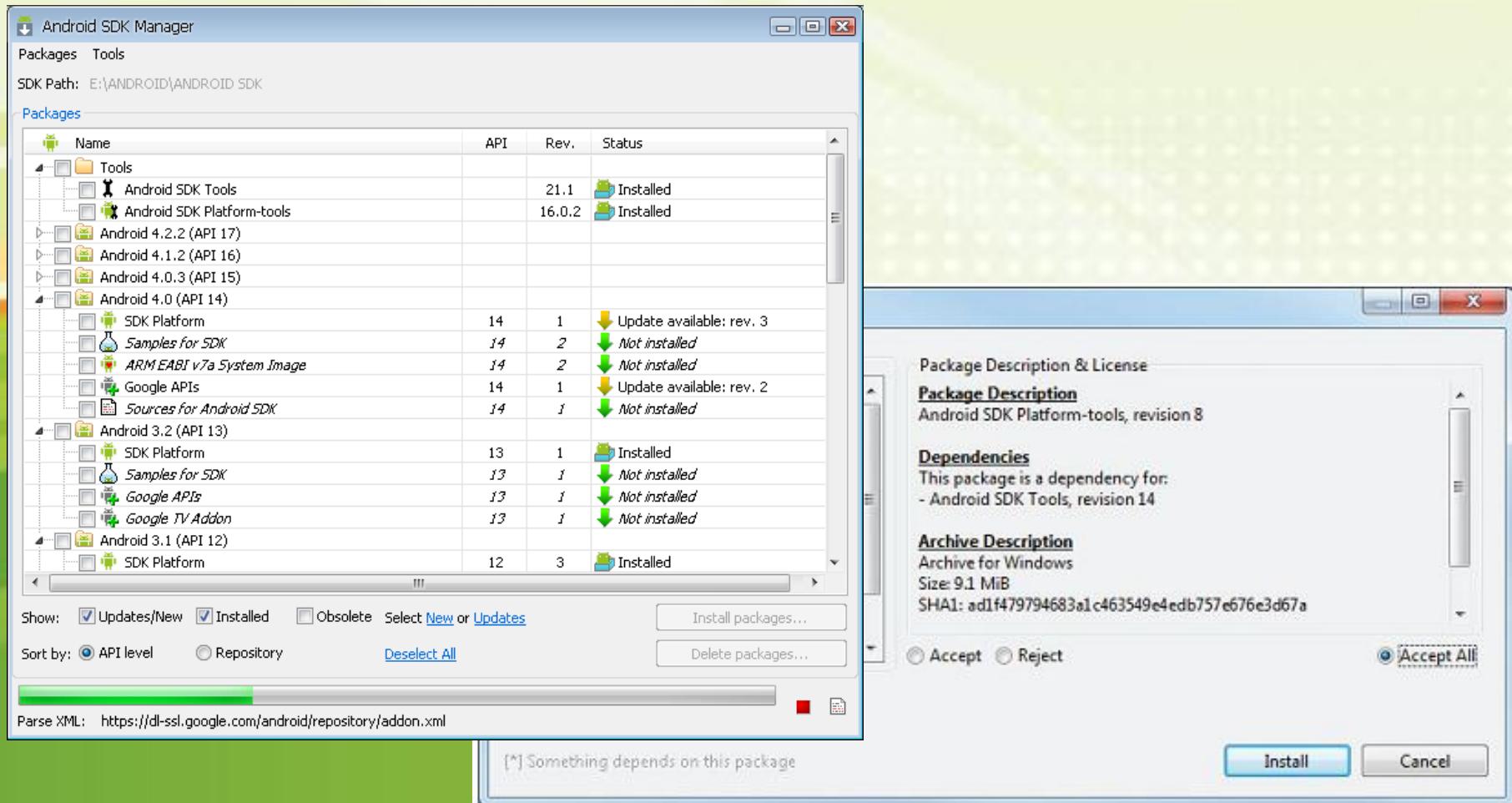
Android SDK (2)

Pilih Next > dan Finish



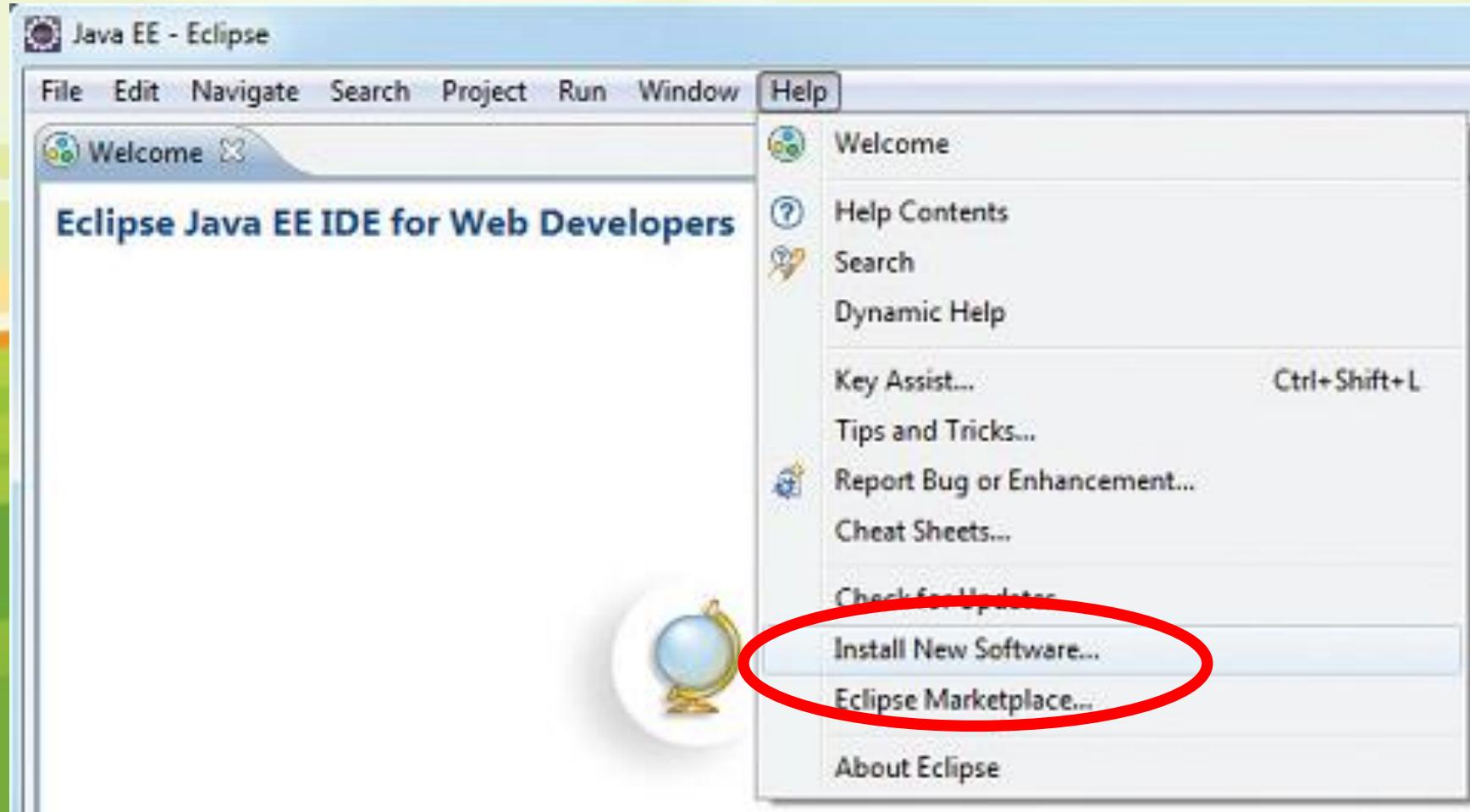
Android SDK (3)

Setelah itu, buka SDK Manager dan download Android Platform yang anda butuhkan



Download ADT Eclipse Plugin (1)

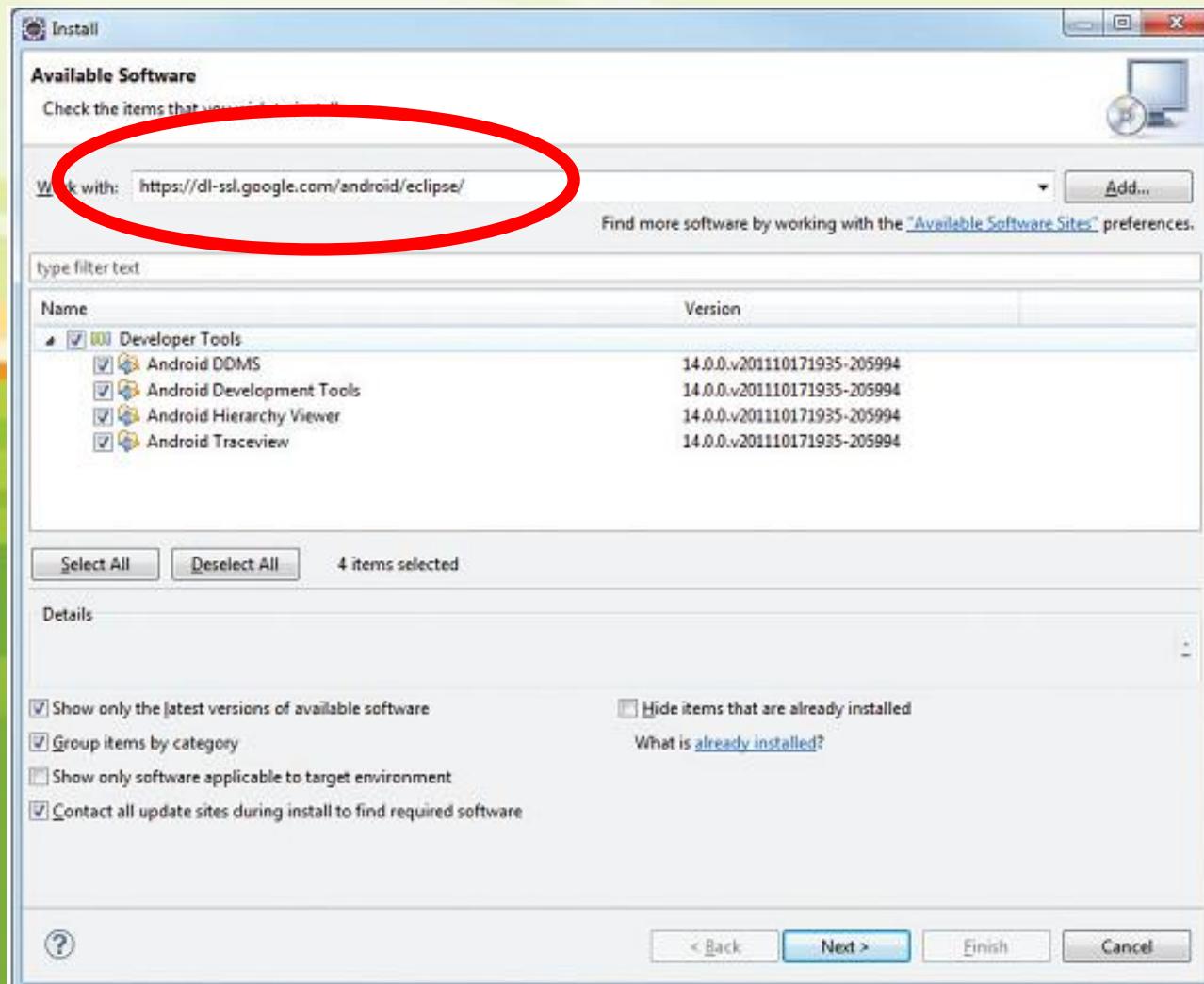
Buka Eclipse anda. Setelah itu masuk menu, Help ➔ Install New Software.



Download ADT Eclipse Plugin (2)

Input pada kotak URL yang tersedia dengan :

<https://dl-ssl.google.com/android/eclipse/>



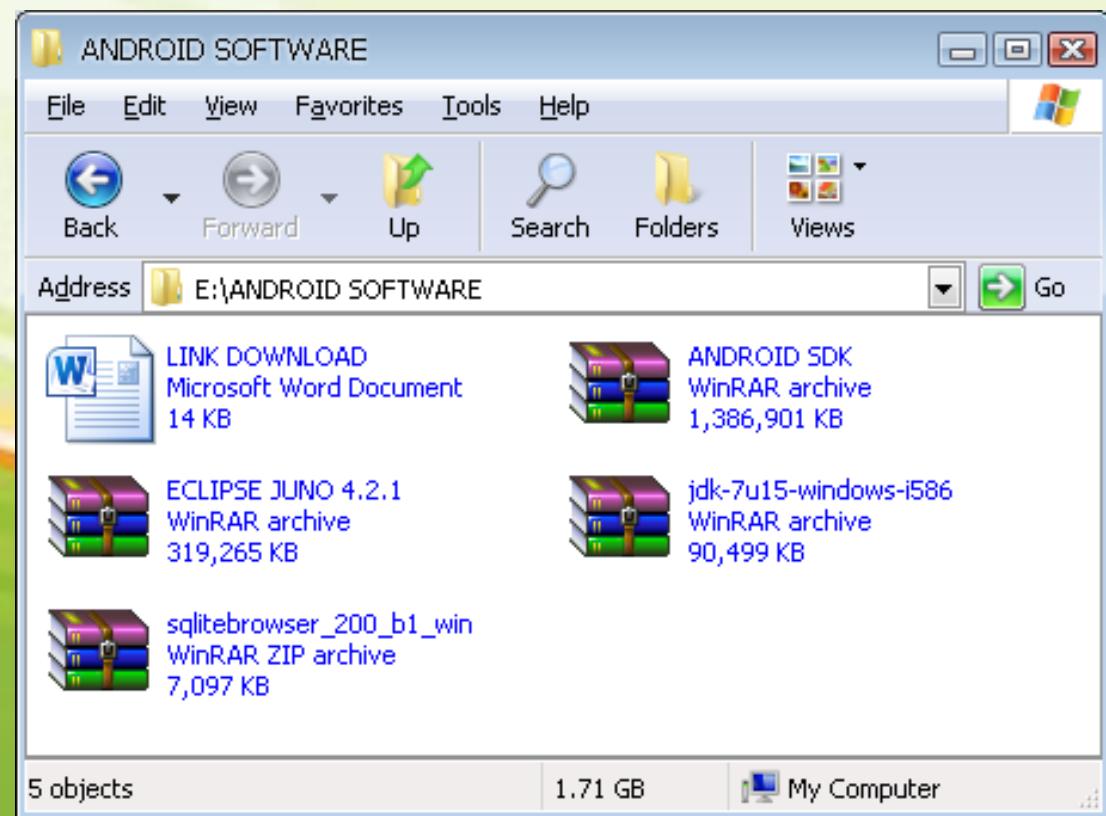
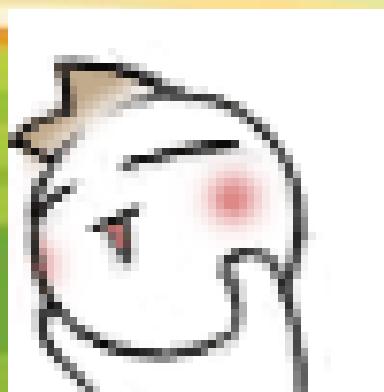
Anda Pusing ?



Gak Ngerti !!!!

Jangan Khawatir

Kami sudah menyediakan Software lengkap untuk mata kuliah ini.

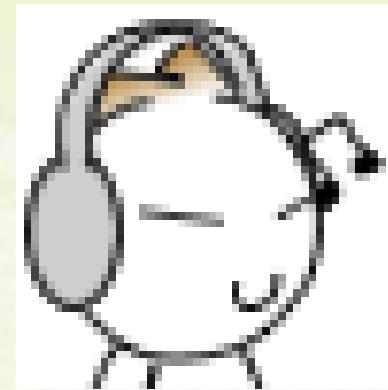


Silahkan anda ikuti Video Tutorial Berikut Ini

Catatan Penting

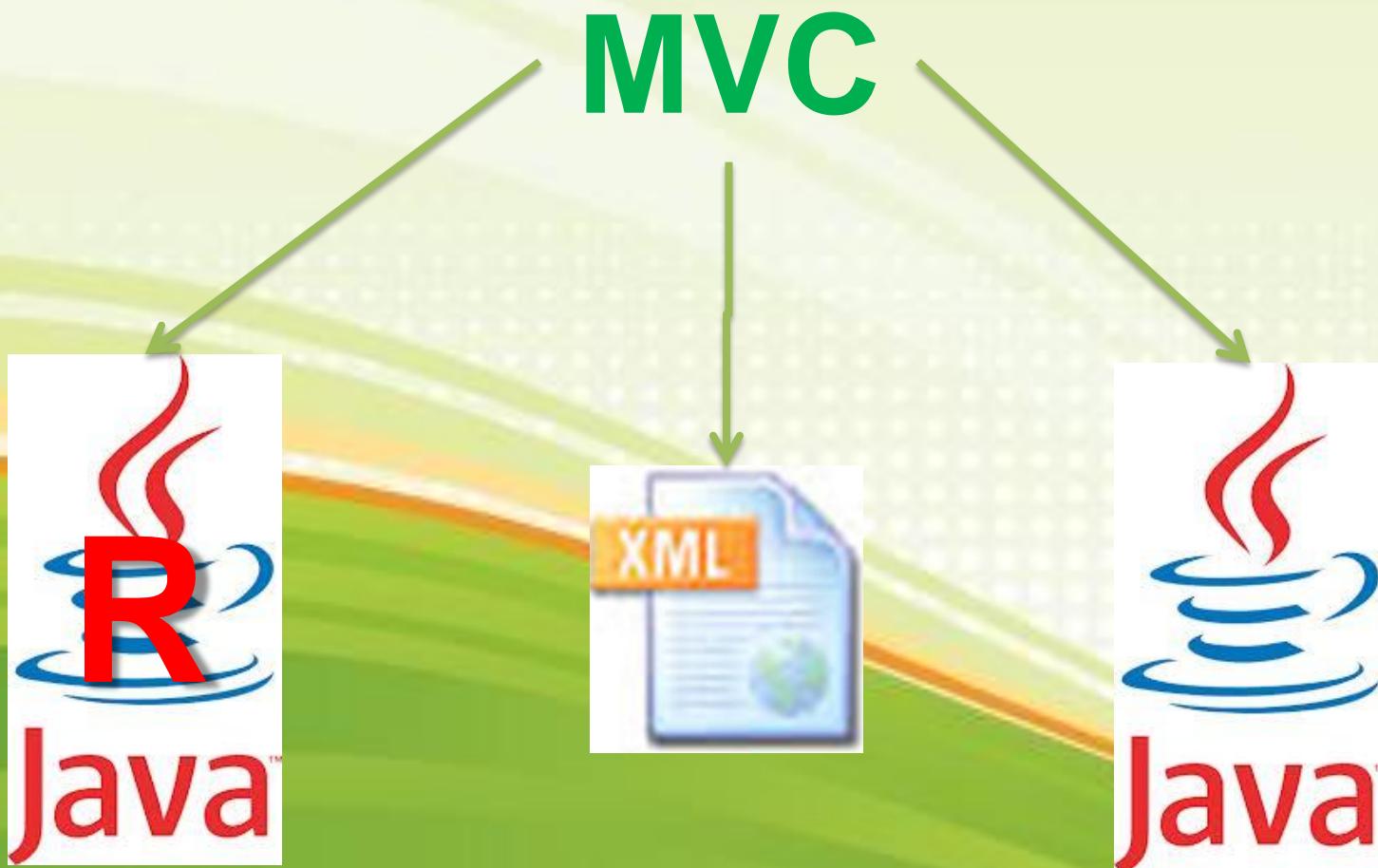
Software-software yang wajib anda miliki dengan memiliki Versi paling minimum untuk develop proyek Android adalah sebagai berikut :

- JDK 1.6 update 15
- Eclipse 3.7
- ADT 21
- SQLite Browser 1



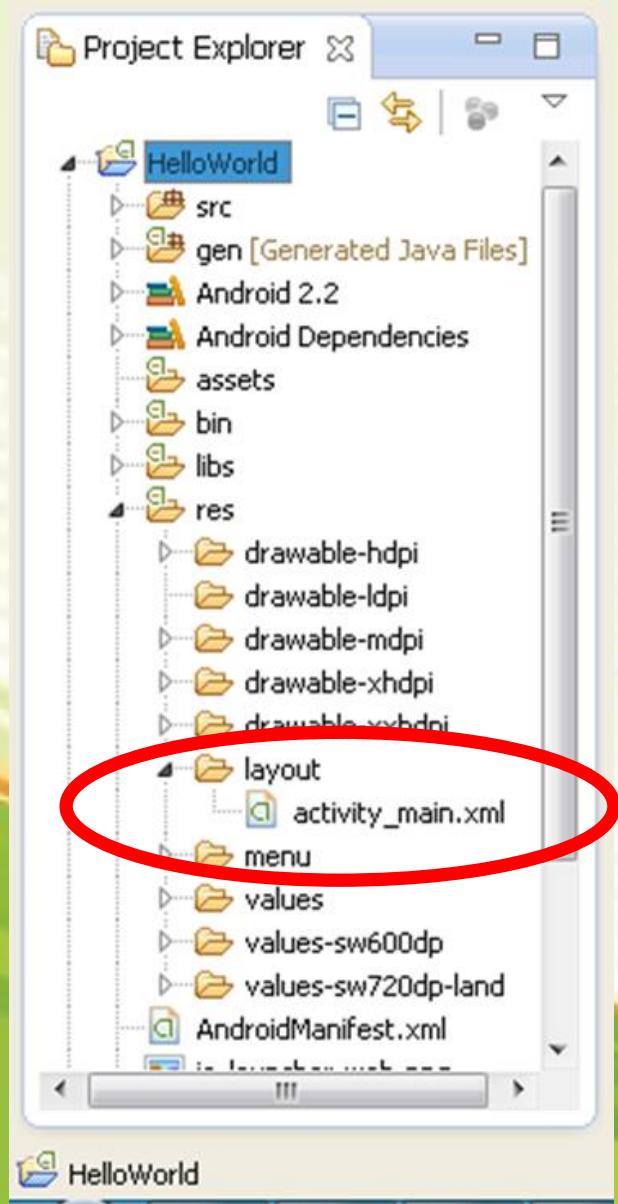
Sedangkan untuk Rekomendasi, tentu saja gunakan software paling terbaru.

MVC Android



Layout xml

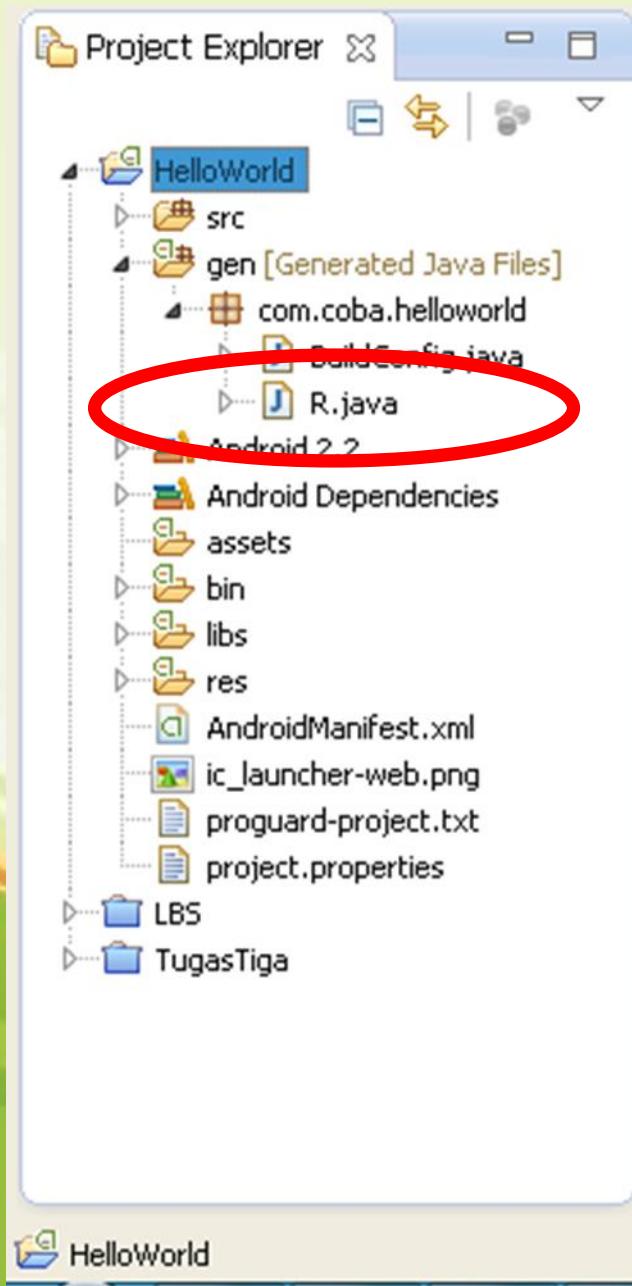
File-file xml digunakan untuk membuat tampilan (*user interface*) pada aplikasi android anda. file-file xml tersebut disimpan dalam folder **res/layout/** pada proyek Eclipse.



R.java

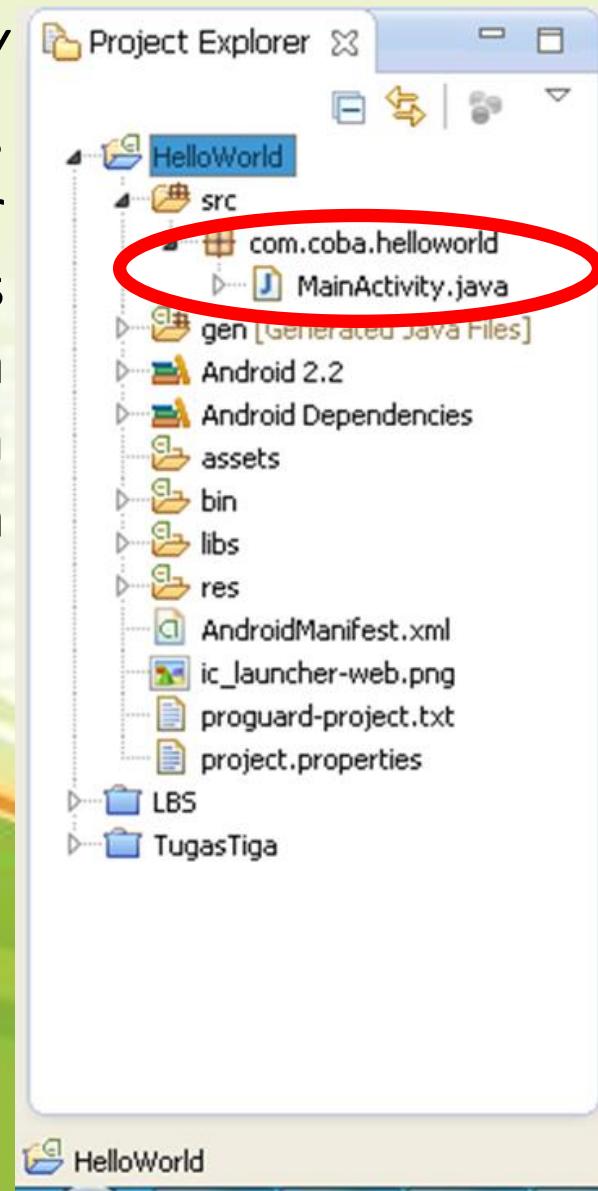
R.java berfungsi sebagai penghubung antara View (xml) dengan Controller (java). Terletak pada folder **gen/nama_package/** pada proyek Eclipse.

Catatan : R.java tidak boleh di ubah, karena bersifat *auto generated*.



Java

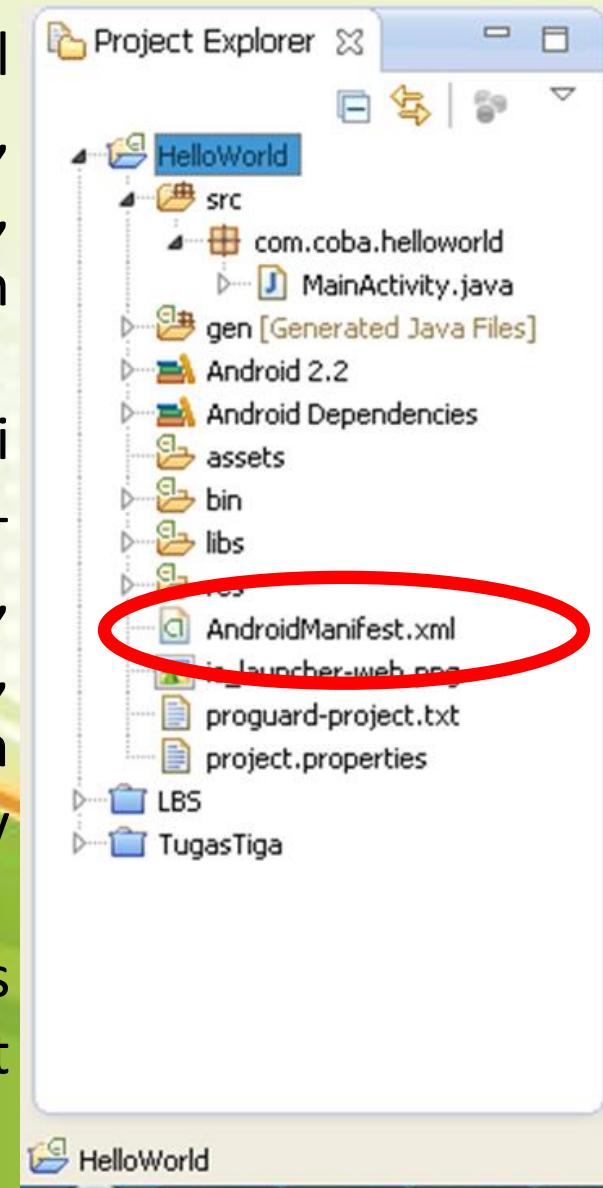
Java berfungsi sebagai *Controller*/ pengendali aplikasi android yang kita buat. Tidak hanya berfungsi sebagai pengatur alur kerja database, tetapi semua aktivitas yang ada di aplikasi yang kita buat. Semua file java disimpan di dalam folder src, anda boleh menyimpannya didalam **nama_package** seperti contoh disamping.



AndroidManifest.xml

Android Manifest merupakan sebuah xml yang berisi informasi mengenai aplikasi, seperti versi dari aplikasi, nama package, level SDK yang digunakan, beserta icon dan nama yang diberikan untuk Aplikasi. selain itu, AndroidManifest.xml ini digunakan sebagai pengatur activity-activity yang terdapat pada aplikasi, berupa daftar kelas-kelas java, penggunaan intent untuk pemilihan, dan pemberian Label / title pada suatu Activity saat mereka Aktif.

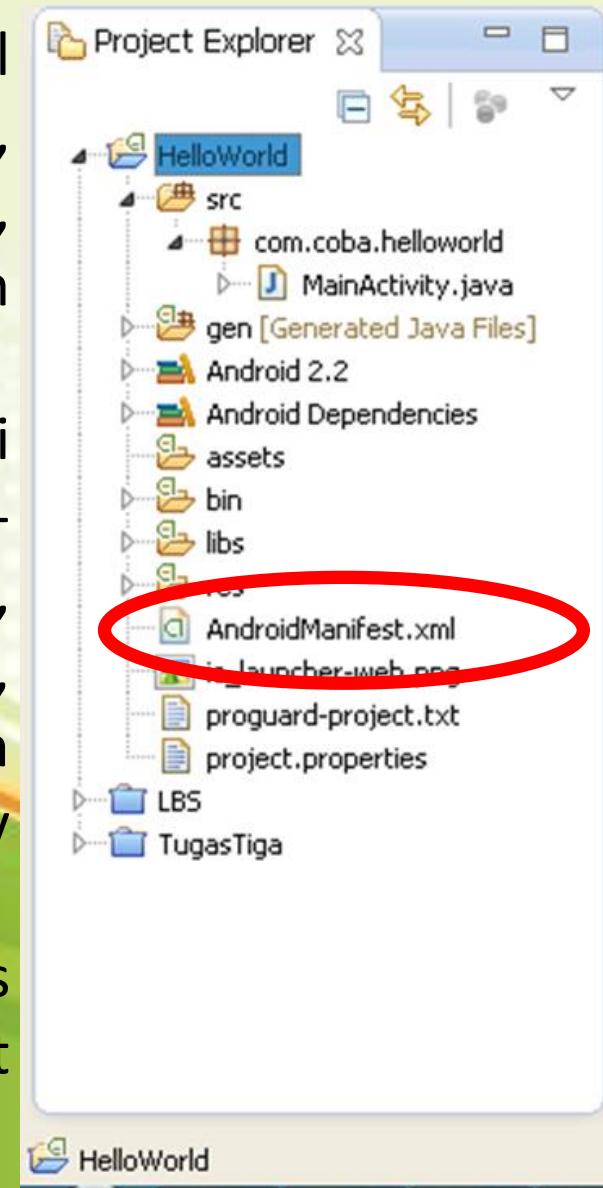
AndroidManifest.xml ini secara otomatis ada jika kita membuat sebuah project aplikasi Android



AndroidManifest.xml

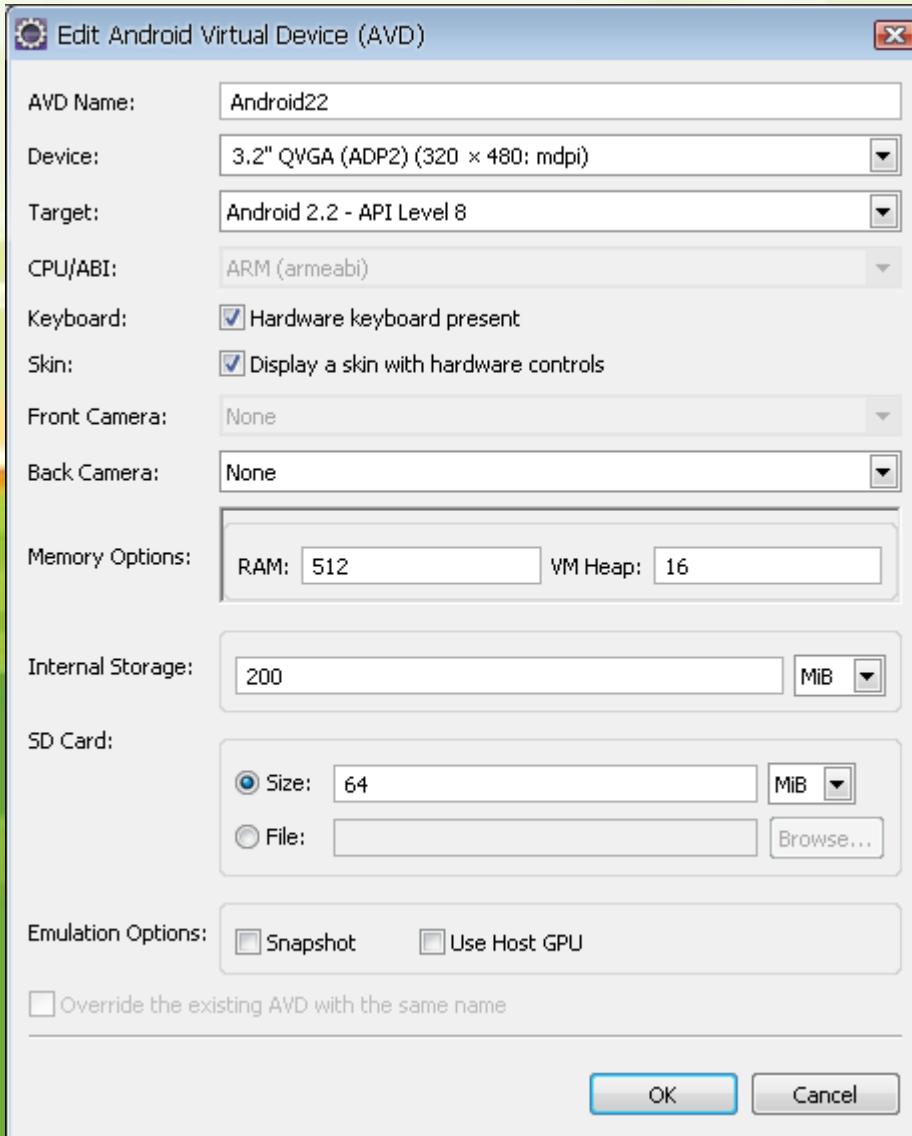
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AndroidManifest.xml ini secara otomatis ada jika kita membuat sebuah project aplikasi Android



Membuat AVD

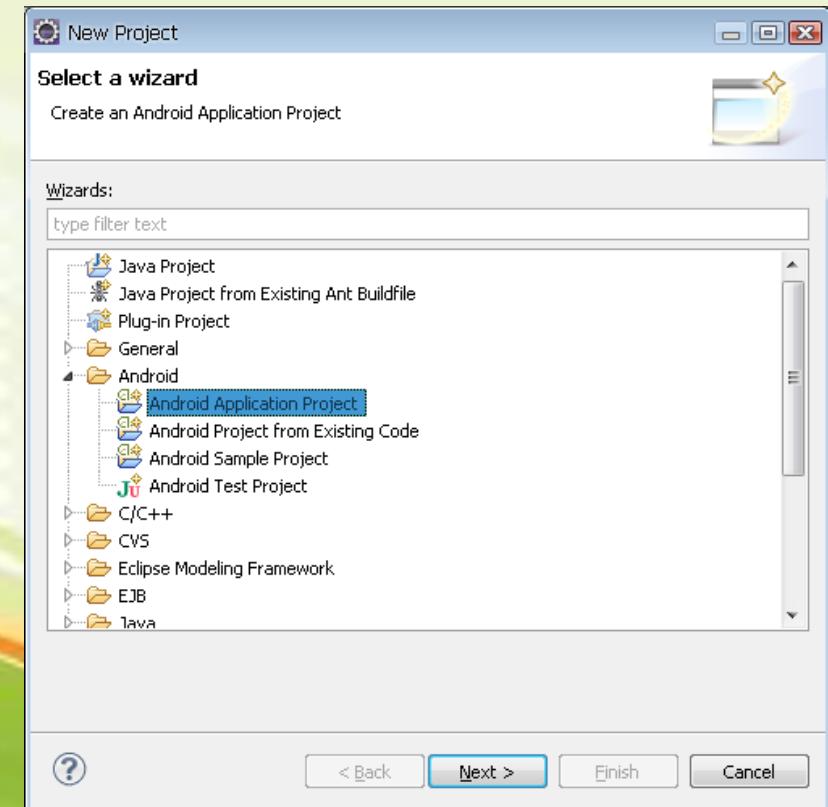
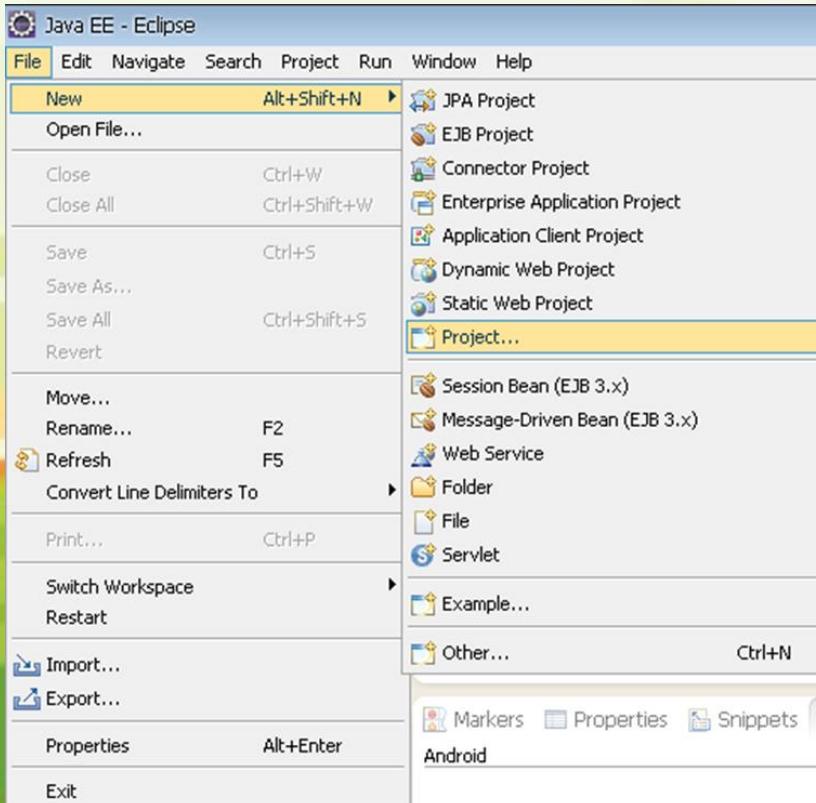
Buatlah AVD dengan Spesifikasi sebagai berikut :



Setelah itu
Run

Membuat Proyek (1)

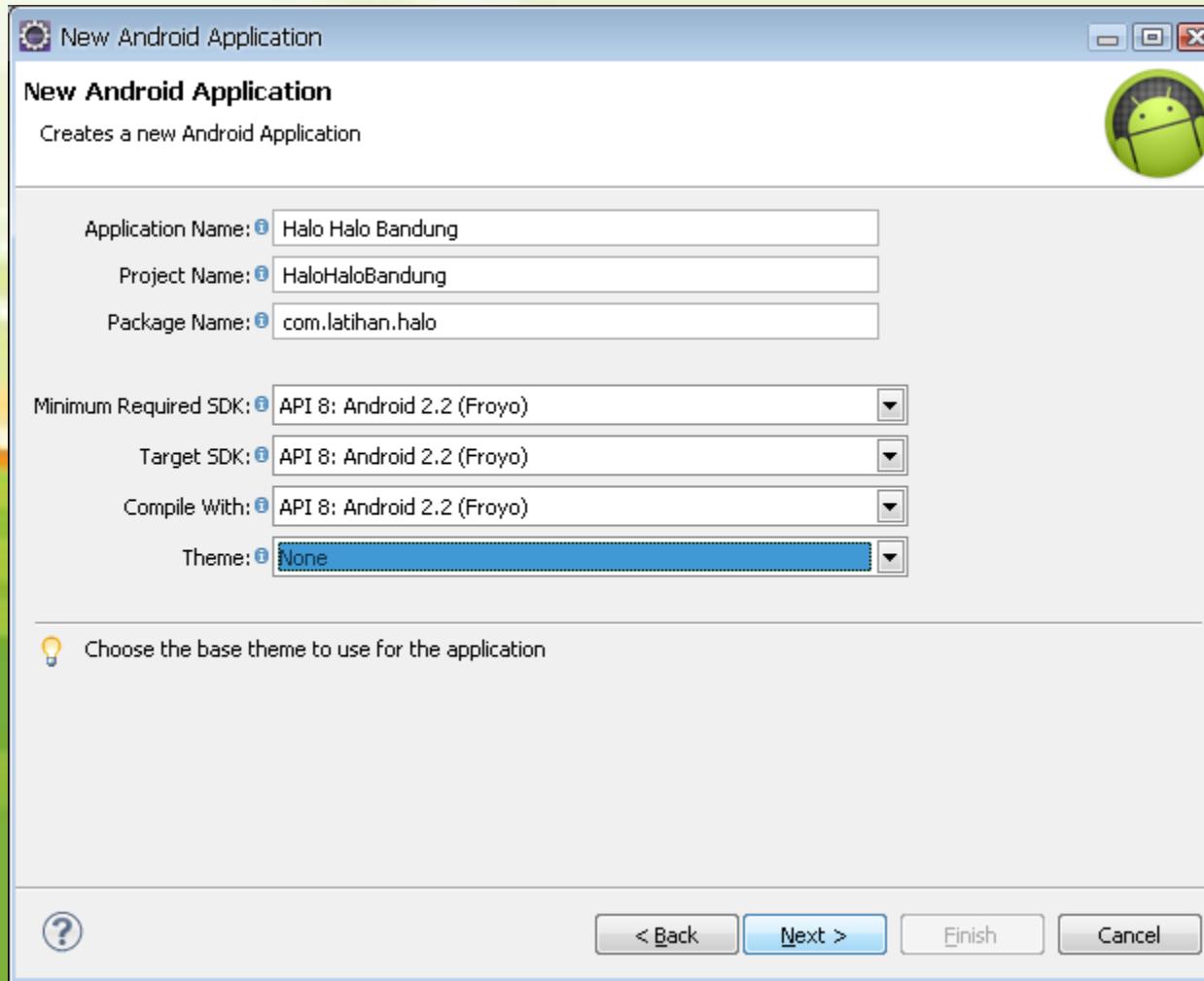
Buat proyek baru : File \Rightarrow New \Rightarrow Project



Android \Rightarrow Android Application Project

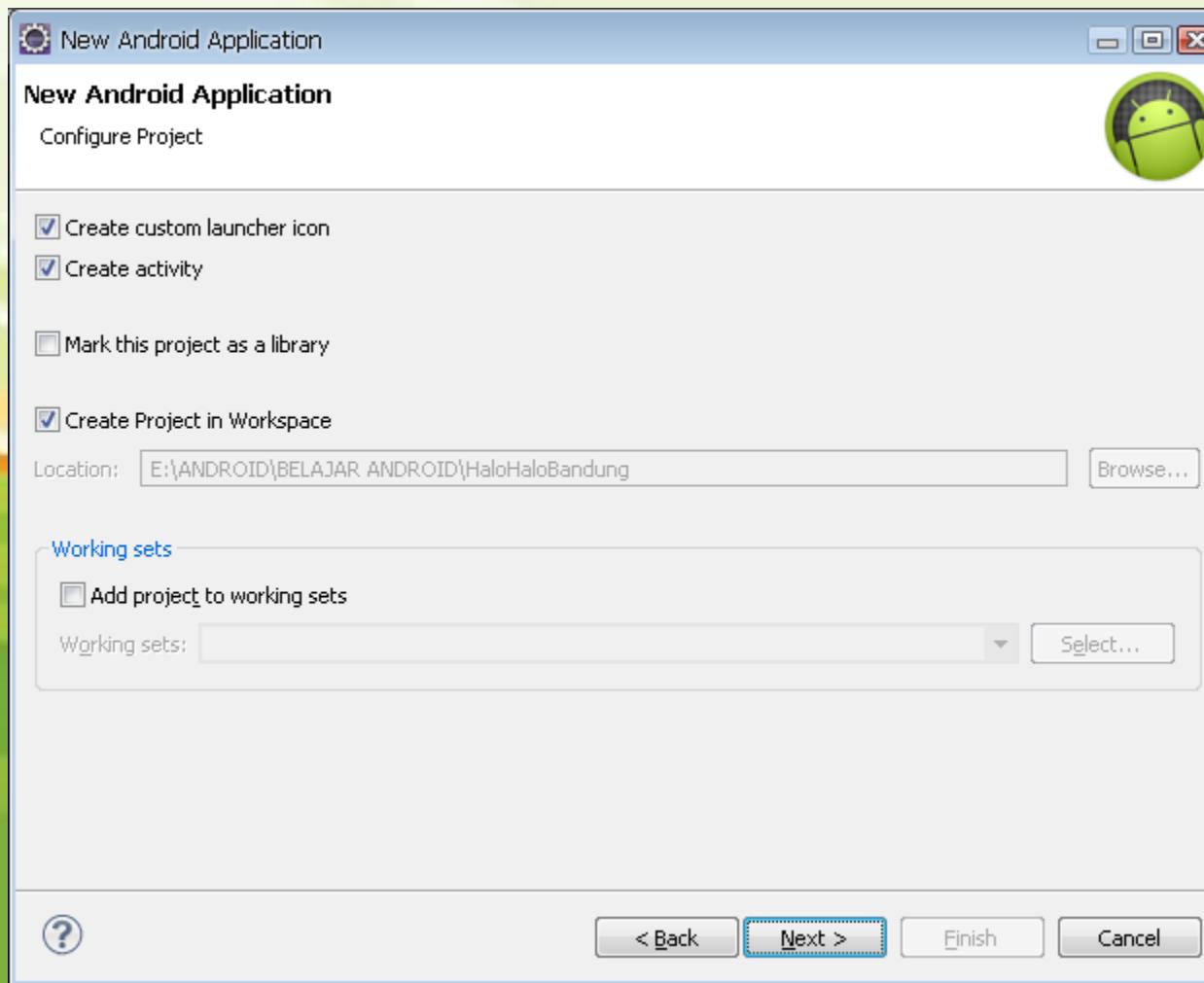
Membuat Proyek (2)

New Android Application : Create a new Android Application



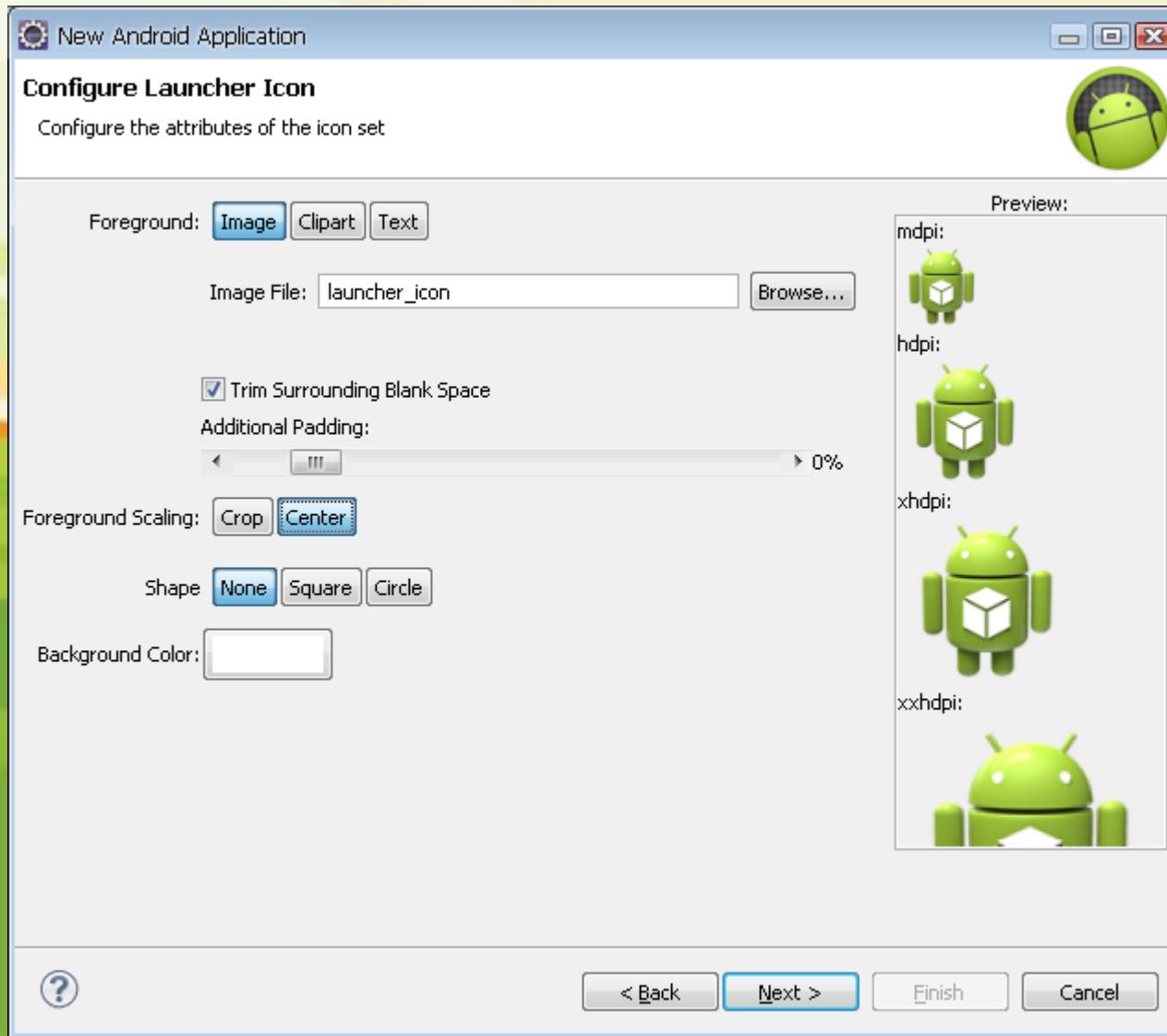
Membuat Proyek (3)

New Android Application : Configure Project



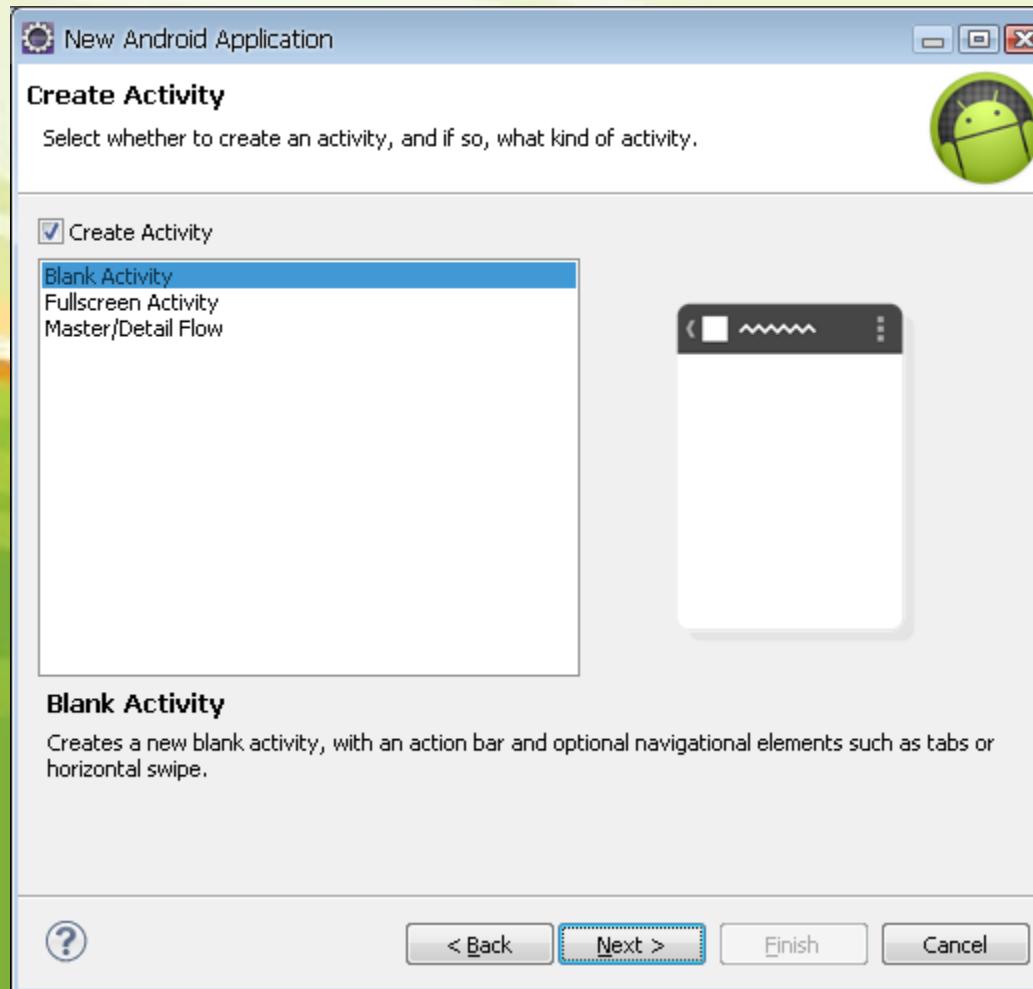
Membuat Proyek (4)

New Android Application : Configure the attributes of the icon set



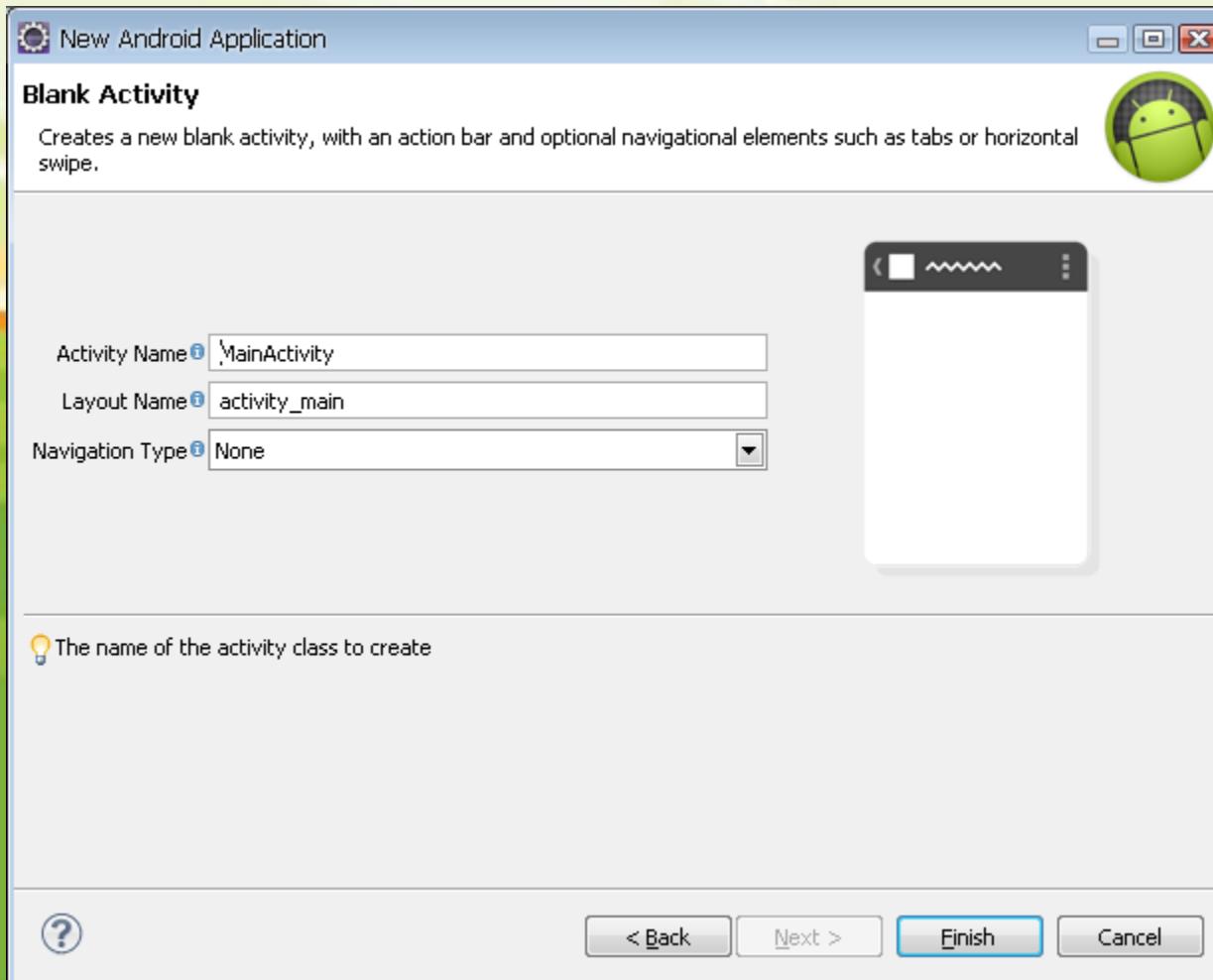
Membuat Proyek (5)

New Android Application : Select whether to create an activity, and if so, what kind of activity.



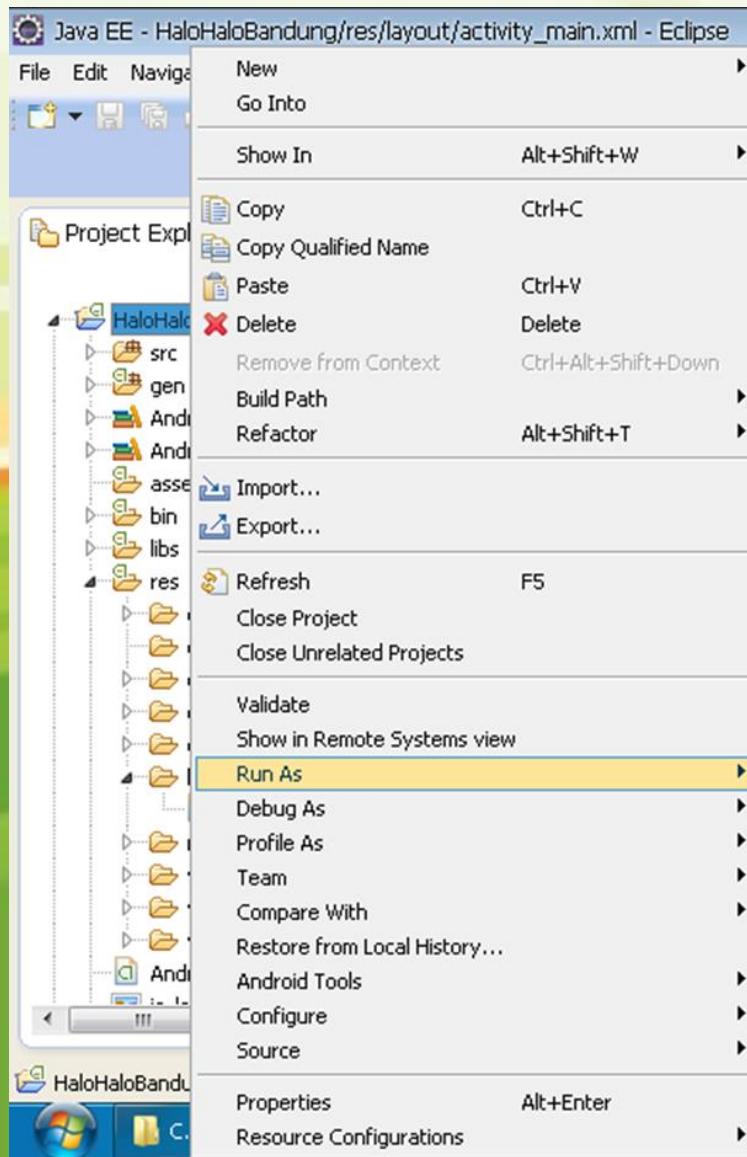
Membuat Proyek (6)

New Android Application : Create a new blank activity, with an action bar and optional navigational elements such as tabs horizontal swipe.



Running Project

Running dengan menggunakan AVD yang sudah kita buat tadi.



Modifikasi Project

Ubahlah kata “Hello world!” menjadi “Ibu Kota Priangan”.



Terima Kasih

