

The screenshot shows the Apache NetBeans IDE interface. The title bar reads "Pengantar_Pemrograman - Apache NetBeans I...". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has icons for file operations like New, Open, Save, and Run. The left sidebar shows the project structure under "Source Packages":

- Pengantar_Pemrograman
- Source Packages
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - MainProgram.java
 - Prisma.java
 - Tabung.java
- com.mycompany.pengar...
- Test Packages
- Dependencies

The main editor window displays the source code for "BangunRuang.java". The code defines a class "BangunRuang" with a static method "volume" that returns 0. The code is annotated with Javadoc comments and a license notice:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package BangunRuang;

/**
 *
 * @author kensh
 */

public class BangunRuang {
    public static double volume() {
        return 0;
    }
}
```

The output panel at the bottom shows two entries:

- >> BangunRuang (init) X
- >> Run (MainProgram) X

The status bar at the bottom right shows "2" notifications, the time "11:1", and the operating system "INS Windows (CRLF)".

The screenshot shows the Apache NetBeans IDE interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Search Bar:** Search (Ctrl+I).
- Project Explorer:** Shows packages like `Pengantar_Pemrograman`, `BangunRuang`, and `com.mycompany.penc`, along with various Java files such as `Kubus.java`, `Balok.java`, etc.
- Source Editor:** The current file is `Kubus.java`. The code defines a class `Kubus` that extends `BangunRuang`. It has a constructor that takes a double value for `sisi` and sets it to `this.sisi`. It overrides the `volume()` method to return `sisi * sisi * sisi`.
- Output:** Shows two entries: `BangunRuang (init)` and `Run (MainProgram)`.
- Status Bar:** Shows 2 notifications, the time 11:1, and the operating system as INS Windows (CRLF).

```
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5  package BangunRuang;
6
7  /**
8  *
9  * @author kensh
10 */
11
12 public class Kubus extends BangunRuang {
13     double sisi;
14
15     public Kubus(double sisi) {
16         this.sisi = sisi;
17     }
18
19     @Override
20     public double volume() {
21         return sisi * sisi * sisi;
22     }
23
24 }
25
```

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pengantar_Pemrograman - Apache NetBeans I... Search (Ctrl+I) — X

Pr... X Files Services ...va Kubus.java X Balok.java X Tabung.java X Kerucut.java X Limas.java X Prisma.java X Bola.java X BangunRuang.java X MainProgram... < > □

Source Packages

BangunRuang

- Balok.java
- BangunRuang.java
- Bola.java
- Kerucut.java
- Kubus.java
- Limas.java
- MainProgram.java
- Prisma.java
- Tabung.java

com.mycompany.peng

- CekGenapGanjil.java
- FaktorialWhile.java
- KasirSederhana.java
- KonversiSuhu.java
- LoopingBilanganPa
- LuasPersegiPanjang
- NilaiHurufMahasiswa
- Pajak.java
- Pembayaran.java
- Pengantar_Pemrog
- RataRataNilai.java
- helloJava.java
- lab_3_Array.java
- penjumlahanDuaBu
- sortingBubbleSort.j

Test Packages

Dependencies

Source History

4 */
5 package BangunRuang;
6
7 /**
8 *
9 * @author kensh
*/
10
11 public class Balok extends BangunRuang {
12 double p, l, t;
13
14 public Balok(double p, double l, double t) {
15 this.p = p;
16 this.l = l;
17 this.t = t;
18 }
19
20 @Override
21 public double volume() {
22 return p * l * t;
23 }
24 }
25
26

Output

>> BangunRuang (init) X Run (MainProgram) X

2 | 11:1 | INS | Windows (CRLF)

The screenshot shows the Apache NetBeans IDE interface. The title bar reads "Pengantar_Pemrograman - Apache NetBeans I...". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has icons for New Project, Open Project, Save, Cut, Copy, Paste, Find, Run, Stop, and others. The status bar at the bottom right shows "337,1/443,0MB" and "24:2 INS Windows (CRLF)".

The left sidebar displays the project structure under "Source Packages":

- Pengantar_Pemrograman
- Source Packages
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - MainProgram.java
 - Prisma.java
 - Tabung.java
- com.mycompany.peng...
 - CekGenapGanjil.java
 - FaktorialWhile.java
 - KasirSederhana.java
 - KonversiSuhu.java
 - LoopingBilanganPa...
 - LuasPersegiPanjang...
 - NilaiHurufMahasiswa...
 - Pajak.java
 - Pembayaran.java
 - Pengantar_Pemrog...
 - RataRataNilai.java
 - helloJava.java
 - lab_3_Array.java
 - penjumlahanDuaBu...
 - sortingBubbleSort.j...
- Test Packages
- Dependencies

The main editor window shows the code for Tabung.java:

```
4  */
5  package BangunRuang;
6
7  /**
8  *
9  * @author kensh
10 */
11
12 public class Tabung extends BangunRuang {
13     double r, t;
14
15     public Tabung(double r, double t) {
16         this.r = r;
17         this.t = t;
18     }
19
20     @Override
21     public double volume() {
22         return 3.14 * r * r * t;
23     }
24 }
```

The code defines a class Tabung that extends the abstract class BangunRuang. It has two private double fields r and t. A constructor takes r and t as parameters and initializes them. An overridden volume() method calculates the volume using the formula $\pi r^2 t$.

The bottom tabs show the output of the build process:

- BangunRuang (init) X
- Run (MainProgram) X

The screenshot shows the Apache NetBeans IDE interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Project Explorer:** Shows packages like Pengantar_Pemrograman, BangunRuang, and com.mycompany.peng. Under com.mycompany.peng, there are files such as CekGenapGanjil.java, FaktorialWhile.java, KasirSederhana.java, KonversiSuhu.java, LoopingBilanganPangkat.java, LuasPersegiPanjang.java, NilaiHurufMahasiswa.java, Pajak.java, Pembayaran.java, Pengantar_Pemrog.java, RataRataNilai.java, helloJava.java, lab_3_Array.java, penjumlahanDuaBilangan.java, and sortingBubbleSort.java.
- Source Editor:** The current file is Kerucut.java, which extends BangunRuang. The code defines a constructor that takes radius (r) and height (t), and an overridden volume() method that returns $(1.0 / 3.0) * 3.14 * r * r * t$.
- Output:** Shows two tabs: BangunRuang (init) and Run (MainProgram).
- Status Bar:** Shows memory usage (277.2/551.0MB), and system information (INS Windows (CRLF)).

```
6
7  /**
8   *
9   * @author kensh
10  */
11 public class Kerucut extends BangunRuang {
12     double r, t;
13
14     public Kerucut(double r, double t) {
15         this.r = r;
16         this.t = t;
17     }
18
19     @Override
20     public double volume() {
21         return (1.0 / 3.0) * 3.14 * r * r * t;
22     }
23 }
24
25 }
```

The screenshot shows the Apache NetBeans IDE interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Search Bar:** Search (Ctrl+I).
- Project Explorer:** Shows packages like `Pengantar_Pemrograman`, `BangunRuang`, `com.mycompany.peng`, and files such as `Kubus.java`, `Balok.java`, etc.
- Code Editor:** The current file is `Limas.java`. The code defines a class `Limas` that extends `BangunRuang`. It includes a constructor that takes `luasAlas` and `tinggi`, and an overridden `volume()` method that returns $(1.0 / 3.0) * luasAlas * tinggi$.

```
4  /*
5   * package BangunRuang;
6   *
7   * /**
8   * *
9   * * @author kensh
10  */
11
12 public class Limas extends BangunRuang {
13     double luasAlas, tinggi;
14
15     public Limas(double luasAlas, double tinggi) {
16         this.luasAlas = luasAlas;
17         this.tinggi = tinggi;
18     }
19
20     @Override
21     public double volume() {
22         return (1.0 / 3.0) * luasAlas * tinggi;
23     }
24 }
25
26
```

- Output:** Shows two entries: `BangunRuang (init)` and `Run (MainProgram)`.
- Status Bar:** Shows 2 notifications, the time as 11:1, and the operating system as INS Windows (CRLF).

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pengantar_Pemrograman - Apache NetBeans I... Search (Ctrl+I) — □ X

Pr... X Files Services Pengantar_Pemrograman Source Packages BangunRuang Balok.java BangunRuang.java Bola.java Kerucut.java Kubus.java Limas.java MainProgram.java Prisma.java Tabung.java com.mycompany.peng CekGenapGanjil.java FaktorialWhile.java KasirSederhana.java KonversiSuhu.java LoopingBilanganPa LuasPersegiPanjang.java NilaiHurufMahasiswa Pajak.java Pembayaran.java Pengantar_Pemrog RataRataNilai.java helloJava.java lab_3_Array.java penjumlahanDuaBil sortingBubbleSort.j Test Packages Dependencies

Source History <default config> 265,3 / 597,0 MB

```
7  /**
8  * 
9  * @author kensh
10 */
11
12 public class Prisma extends BangunRuang {
13     double luasAlas, tinggi;
14
15     public Prisma(double luasAlas, double tinggi) {
16         this.luasAlas = luasAlas;
17         this.tinggi = tinggi;
18     }
19
20     @Override
21     public double volume() {
22         return luasAlas * tinggi;
23     }
24 }
```

Output > BangunRuang (init) X Run (MainProgram) X 2 | 11:1 | INS Windows (CRLF)

Apache NetBeans IDE

Pengantar_Pemrograman - Apache NetBeans I...

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Pr... X Files Services _

Source Packages

- BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
- Kerucut.java
- Kubus.java
- Limas.java
- MainProgram.java
- Prisma.java
- Tabung.java

com.mycompany.peng...

- CekGenapGanjil.java
- FaktorialWhile.java
- KasirSederhana.java
- KonversiSuhu.java
- LoopingBilanganPa...
- LuasPersegiPanjang
- NilaiHurufMahasiswa
- Pajak.java
- Pembayaran.java
- Pengantar_Pemrog...
- RataRataNilai.java
- helloJava.java
- lab_3_Array.java
- penjumlahanDuaBu...
- sortingBubbleSort.j...

Test Packages

Dependencies

Source History

Code Editor (Bola.java)

```
8 * @author kensh
9 */
10
11 public class Bola extends BangunRuang {
12     double r;
13
14     public Bola(double r) {
15         this.r = r;
16     }
17
18     @Override
19     public double volume() {
20         return (4.0 / 3.0) * 3.14 * r * r * r;
21     }
22 }
23
24 }
```

Output X

>> BangunRuang (init) X Run (MainProgram) X

(2) | 11:1 | INS Windows (CRLF)

Screenshot of Apache NetBeans IDE showing Java code for calculating volumes of various 3D shapes.

The code in `MainProgram.java` creates instances of `BangunRuang` classes (Kubus, Balok, Tabung, Kerucut, Limas, Prisma) and prints their volumes.

```
9 * @author kensh
10 */
11 public class MainProgram {
12     public static void main(String[] args) {
13
14         BangunRuang kubus = new Kubus(5);
15         BangunRuang balok = new Balok(4, 6, 5);
16         BangunRuang tabung = new Tabung(7, 10);
17         BangunRuang kerucut = new Kerucut(7, 10);
18         BangunRuang limas = new Limas(25, 12);
19         BangunRuang prisma = new Prisma(30, 10);
20         BangunRuang bola = new Bola(7);
21
22         System.out.println("Volume Kubus      : " + kubus.volume());
23         System.out.println("Volume Balok      : " + balok.volume());
24         System.out.println("Volume Tabung     : " + tabung.volume());
25         System.out.println("Volume Kerucut    : " + kerucut.volume());
26         System.out.println("Volume Limas      : " + limas.volume());
27         System.out.println("Volume Prisma     : " + prisma.volume());
28         System.out.println("Volume Bola       : " + bola.volume());
29     }
30 }
```

The Output window shows the results of running the program:

```
>> BangunRuang (init) X Run (MainProgram) X
```

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pengantar_Pemrograman - Apache NetBeans I... Search (Ctrl+I) — □ X

Pr... Files Services ...va Balok.java Tabung.java Kerucut.java Limas.java Prismajava Bola.java BangunRuang.java MainProgram.java <default config> 638.0 / 14.0MB

Pengantar_Pemrograman

- Source Packages
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - MainProgram.java
 - Prismajava
 - Tabung.java
- com.mycompany.peng
 - CekGenapGanjil.java
 - FaktorialWhile.java
 - KasirSederhana.java
 - KonversiSuhu.java
 - LoopingBilanganP...
LuasPersegiPanjang.java
NilaiHurufMahasiswa...
Pajak.java
Pembayaran.java
Pengantar_Pemrog...
RataRataNilai.java
helloJava.java
lab_3_Array.java
penjumlahanDuaBu...
sortingBubbleSort.j
- Test Packages
- Dependencies

Source History ...va BangunRuang.MainProgram

```
9 * @author kensh
10 */
11 public class MainProgram {
12     public static void main(String[] args) {
13         BangunRuang kubus = new Kubus(5);
14         BangunRuang balok = new Balok(4, 6, 5);
15         BangunRuang tabung = new Tabung(7, 10);
16 }
```

Output X

BangunRuang (init) Run (MainProgram)

```
-- exec:3.1.0:exec (default-cli) @ Pengantar_Pemrograman --
Volume Kubus : 125.0
Volume Balok : 120.0
Volume Tabung : 1538.6000000000001
Volume Kerucut : 512.8666666666666
Volume Limas : 99.99999999999999
Volume Prisma : 300.0
Volume Bola : 1436.0266666666666
-----
BUILD SUCCESS
-----
Total time: 1.595 s
Finished at: 2025-12-06T20:58:03+07:00
-----
```

2 | 30:2 | INS Windows (CRLF)

The screenshot shows the Apache NetBeans IDE interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Project Explorer:** Shows the project structure under "Pengantar_Pemrograman".
 - Source Packages:
 - AlatMusik
 - Biola.java
 - Drum.java
 - Gitar.java
 - MainProgram.java
 - Piano.java
 - Saxophone.java
 - Trumpet.java
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - MainProgram.java
 - Prisma.java
 - Tabung.java
- Code Editor:** The "AlatMusik.java" file is open, showing the following code:

```
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4
5  package AlatMusik;
6
7  /**
8   *
9   * @author kensh
10  */
11 public class AlatMusik {
12     public void bunyi() {
13         System.out.println("Setiap alat musik memiliki bunyi yang berbeda.");
14     }
15 }
```
- Output:** Shows the build process for the project.

```
BangunRuang (init) × Run (MainProgram) ×
Building Pengantar_Pemrograman 1.0-SNAPSHOT
>> Building Pengantar_Pemrograman 1.0-SNAPSHOT
```
- Status Bar:** (2) | 15:2 | INS Windows (CRLF)

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pengantar_Pemrograman - Apache NetBeans I... Search (Ctrl+I) — □ X

Pr... X Files Services ...va Piano.java Biola.java Gitar.java Drum.java Saxophone.java Trumpet.java AlatMusik.java MainProgram.java

Pengantar_Pemrograman

- Source Packages
 - AlatMusik
 - AlatMusik.java
 - Biola.java
 - Drum.java
 - Gitar.java
 - MainProgram.java
 - Piano.java
 - Saxophone.java
 - Trumpet.java
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - MainProgram.java
 - Prisma.java
 - Tabung.java
 - com.mycompany.peng...
 - CekGenapGanjil.java
 - FaktorialWhile.java
 - KasirSederhana.java
 - KonversiSuhu.java
 - LoopingBilanganP...
 - LuasPersegiPanjang.java
 - NilaiHurufMahasiswa.java
 - Paiak.java

Source History 498.8/664.0MB

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5  package AlatMusik;
6
7  /**
8   * @author kensh
9   */
10 public class Piano extends AlatMusik {
11     @Override
12     public void bunyi() {
13         System.out.println("Piano berbunyi: TING TONG TING TONG");
14     }
15 }
16
17
18 }
```

Output X

- BangunRuang (init) X
- Run (MainProgram) X
- Building Pengantar_Pemrograman 1.0-SNAPSHOT

2 | 17:1 | INS Windows (CRLF)

The screenshot shows the Apache NetBeans IDE interface. The title bar reads "Pengantar_Pemrograman - Apache NetBeans I...". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has icons for New Project, Open Project, Save, Undo, Redo, Cut, Copy, Paste, Find, Replace, Run, Stop, and Build.

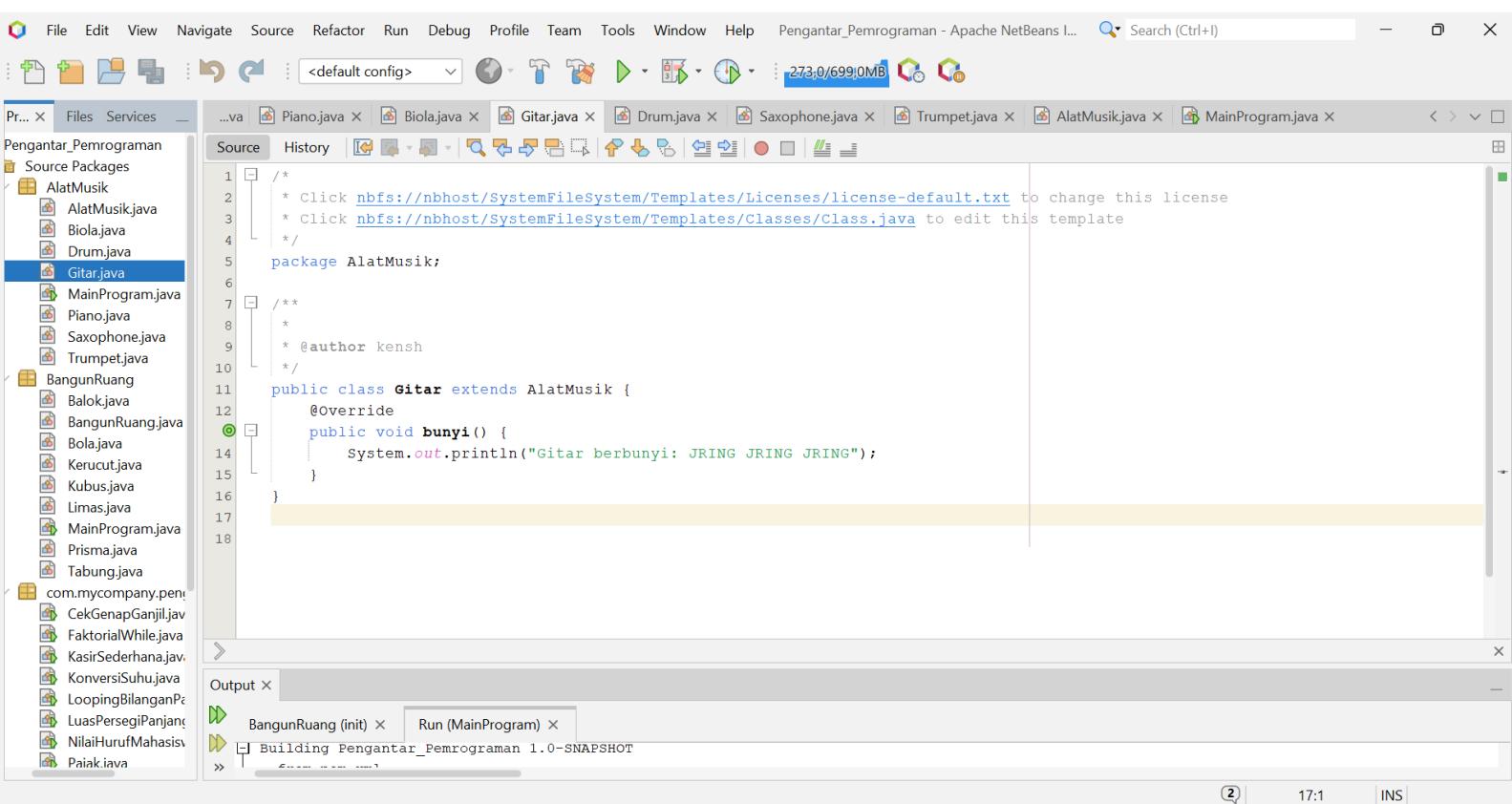
The left sidebar displays the project structure under "Pengantar_Pemrograman":

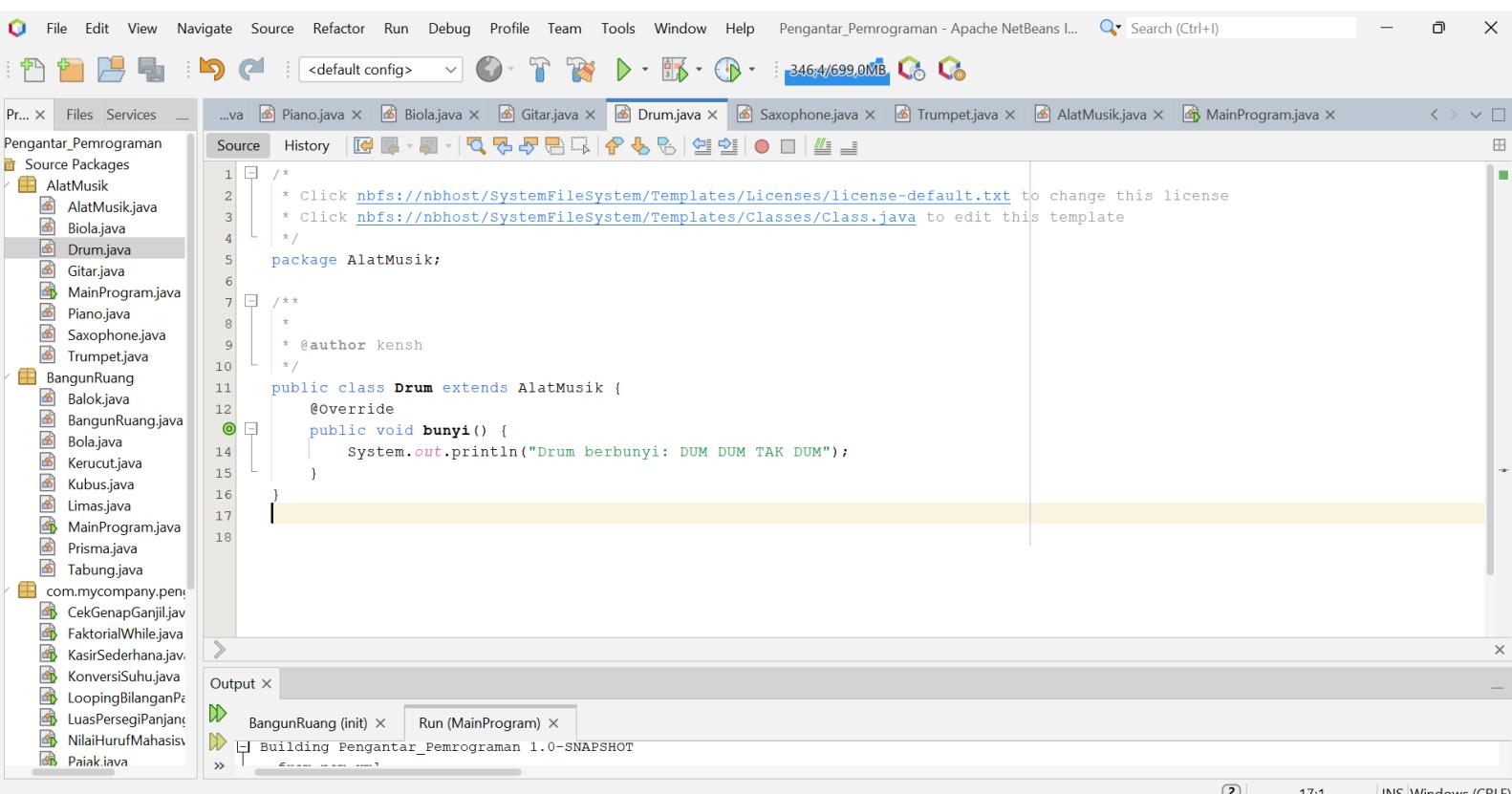
- Source Packages
 - AlatMusik
 - AlatMusik.java
 - Biola.java
 - Drum.java
 - Gitar.java
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - com.mycompany.peng...
 - CekGenapGanjil.java
 - FaktorialWhile.java
 - KasirSederhana.java
 - KonversiSuhu.java
 - LoopingBilanganPi...
 - LuasPersegiPanjang...
 - NilaiHurufMahasiswa...
 - Paiak.java

The central workspace shows the source code for the `Biola.java` file:

```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5  package AlatMusik;
6
7  /**
8  * @author kensh
9  */
10 public class Biola extends AlatMusik {
11     @Override
12     public void bunyi() {
13         System.out.println("Biola berbunyi: NGIIIIIIING");
14     }
15 }
16
17
18 }
```

The bottom right corner shows status information: 2, 17:1, INS | Windows (CRLF).





The screenshot shows the Apache NetBeans IDE interface. The title bar reads "Pengantar_Pemrograman - Apache NetBeans I...". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has icons for file operations like New, Open, Save, and Run. The status bar at the bottom right shows "438.9/699.0MB" and the time "17:1".

The left sidebar displays the project structure under "Pengantar_Pemrograman":

- Source Packages
 - AlatMusik
 - AlatMusik.java
 - Biola.java
 - Drum.java
 - Gitar.java
 - MainProgram.java
 - Piano.java
 - Saxophone.java
 - Trumpet.java
 - BangunRuang
 - Balok.java
 - BangunRuang.java
 - Bola.java
 - Kerucut.java
 - Kubus.java
 - Limas.java
 - MainProgram.java
 - Prisma.java
 - Tabung.java
 - com.mycompany.peng...
 - CekGenapGanjil.java
 - FaktorialWhile.java
 - KasirSederhana.java
 - KonversiSuhu.java
 - LoopingBilanganPi.java
 - LuasPersegiPanjang.java
 - NilaiHurufMahasiswa.java
 - Paiak.java

The central workspace shows the source code for the `Saxophone.java` file:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package AlatMusik;

/**
 *
 * @author kensh
 */
public class Saxophone extends AlatMusik {
    @Override
    public void bunyi() {
        System.out.println("Saxophone berbunyi: WOOOOO WEEEEEE");
    }
}
```

The bottom output panel shows the build log:

```
BangunRuang (init) × Run (MainProgram) ×
Building Pengantar_Pemrograman 1.0-SNAPSHOT
>> Building Pengantar_Pemrograman 1.0-SNAPSHOT
```

Screenshot of Apache NetBeans IDE showing a Java project named "Pengantar_Pemrograman".

The project structure on the left shows packages like AlatMusik, BangunRuang, and com.mycompany.pen. The "AlatMusik" package contains classes Piano.java, Biola.java, Drum.java, Gitar.java, MainProgram.java, Piano.java, Saxophone.java, and Trumpet.java. The "BangunRuang" package contains classes Balok.java, BangunRuang.java, Bola.java, Kerucut.java, Kubus.java, Limas.java, MainProgram.java, Prisma.java, and Tabung.java. The "com.mycompany.pen" package contains classes CekGenapGanjil.java, FaktorialWhile.java, KasirSederhana.java, KonversiSuhu.java, LoopingBilanganP..., LuasPersegiPanjang.java, NilaiHurufMahasiswa.java, and Paiak.java.

The central Source editor window displays the code for the "Trumpet.java" class, which extends the "AlatMusik" class. The code overrides the "bunyi()" method to print "Trumpet berbunyi: PRAP RAP RAP".

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package AlatMusik;

/**
 *
 * @author kensh
 */
public class Trumpet extends AlatMusik {
    @Override
    public void bunyi() {
        System.out.println("Trumpet berbunyi: PRAP RAP RAP");
    }
}
```

The Output window at the bottom shows the build process for the project "Pengantar_Pemrograman". It includes tasks for "BangunRuang (init)" and "Run (MainProgram)". The output log shows the message "Building Pengantar_Pemrograman 1.0-SNAPSHOT".

Apache NetBeans IDE

Pengantar_Pemrograman - Apache NetBeans I... Search (Ctrl+I)

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Pr... X Files Services _

Pengantar_Pemrograman

Source Packages

- AlatMusik
- AlatMusik.java
- Biola.java
- Drum.java
- Gitar.java
- MainProgram.java
- Piano.java
- Saxophone.java
- Trumpet.java

BangunRuang

- Balok.java
- BangunRuang.java
- Bola.java
- Kerucut.java
- Kubus.java
- Limas.java
- MainProgram.java
- Prisma.java
- Tabung.java

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- CekGenapGanjil.java
- FaktorialWhile.java
- KasirSederhana.java
- KonversiSuhu.java
- LoopingBilanganP...
- LuasPersegiPanjan...
- NilaiHurufMahasiswa...
- Paiak.java

Source History

<default config>

506.0/714.0MB

MainProgram.java X

```
9 * @author kensh
10 */
11 public class MainProgram {
12     public static void main(String[] args) {
13
14         AlatMusik[] musik = {
15             new Piano(),
16             new Biola(),
17             new Gitar(),
18             new Drum(),
19             new Saxophone(),
20             new Trumpet()
21         };
22
23         System.out.println("== Contoh Polimorfisme Alat Musik ==");
24         for (AlatMusik m : musik) {
25             m.bunyi(); // pemanggilan metode dengan polimorfisme
26         }
27     }
28 }
29
30 
```

AlatMusik.MainProgram >

Output X

BangunRuang (init) X Run (MainProgram) X

Building Pengantar_Pemrograman 1.0-SNAPSHOT

(2) | 28:2 | INS Windows (CRLF)

Screenshot of Apache NetBeans IDE showing a Java project named "Pengantar_Pemrograman".

The project structure on the left includes:

- Source Packages:
 - AlatMusik
 - Biola.java
 - Drum.java
 - Gitar.java
 - MainProgram.java
 - Piano.java
 - Saxophone.java
 - Trumpet.java
- BangunRuang
- com.mycompany.pen

The MainProgram.java file is open in the Source editor:

```
9  * @author kensh
10 */
11 public class MainProgram {
12     public static void main(String[] args) {
13
14         AlatMusik[] musik = {
15             new Piano(),
16             new Biola(),
17         };
18     }
19 }
```

The Output window shows the execution results:

```
-- exec:3.1.0:exec (default-cli) @ Pengantar_Pemrograman --
== Contoh Polimorfisme Alat Musik ==
Piano berbunyi: TING TONG TING TONG
Biola berbunyi: NGIIIIIIING
Gitar berbunyi: JRING JRING JRING
Drum berbunyi: DUM DUM TAK DUM
Saxophone berbunyi: WOOOOOO WEEEEEE
Trumpet berbunyi: PRAP RAP RAP
-----
BUILD SUCCESS
-----
Total time: 1.054 s
Finished at: 2025-12-06T21:16:45+07:00
-----
```