

The screenshot shows an IDE interface with a Java project named "LoopingBilanganPascal". The project structure on the left includes packages like "com.mycompany.pengantar_pemrograman" containing files such as "LoopingBilanganPascal.java", "Pajak.java", "Pembayaran.java", "Pengantar_Pemrograman.java", "HelloJava.java", and "penjumlahanDuaBuahBilang". The main file, "LoopingBilanganPascal.java", is open in the editor. The code prints a Pascal's triangle based on user input for the number of rows. The code uses Scanner for input and System.out.print for output. It includes comments explaining the purpose of each part of the code.

```
import java.util.Scanner;
// Mengimpor class Scanner untuk membaca input dari keyboard

public class LoopingBilanganPascal {
    // Nama class utama (harus sama dengan nama file)
    public static void main (String[] args) {
        // Method utama yang akan dijalankan pertama kali

        Scanner input = new Scanner(System.in);
        // Membuat objek Scanner untuk membaca input pengguna

        System.out.print("===== Tambahkan Looping Index ===== ; ");
        // menampilkan pesan untuk meminta pengguna memasukkan jumlah baris segitiga Pascal
        int index = input.nextInt();
        // Membaca angka (jumlah baris) yang dimasukkan pengguna

        // Loop luar: mengatur jumlah baris segitiga Pascal
        for (int i = 0; i < index; i++) {
            int nilai = 1;
            // Variabel untuk menyimpan nilai setiap elemen dalam baris Pascal

            // Loop dalam: mencetak nilai pada setiap kolom dalam baris ke-i
            for (int j = 0; j <= i; j++) {
                if (j == 0 || j == i) {
                    // Elemen pertama dan terakhir dalam setiap baris Pascal selalu 1
```

The screenshot shows a Java development environment with the following details:

- Project Structure:** The left sidebar shows a project named "gantar_Pemrograman". It contains several source packages:
 - com.mycompany.pengantar_pemrograman
 - LoopingBilanganPascal.java
 - Pajak.java
 - Pembayaran.java
 - Pengantar_Pemrograman.java
 - helloJava.java
 - penjumlahanDuaBuahBilang...
- Current File:** The main file being edited is "LoopingBilanganPascal.java". The code prints Pascal's triangle using loops.
- Code Preview:** The code uses nested loops to calculate binomial coefficients and prints them to the console.
- Output Window:** The "Output - Run (LoopingBilanganPascal)" window shows the expected output of the program.

```
if (j == 0 || j == i) {  
    // Elemen pertama dan terakhir dalam setiap baris Pascal selalu 1  
    nilai = 1;  
} else {  
    // Rumus kombinasi untuk menghitung nilai tengah segitiga Pascal  
    // nilai = nilai * (i - j + 1) / j  
    nilai = nilai * (i - j + 1) / j;  
}  
System.out.print(nilai + " ");  
// Menampilkan nilai di baris yang sama, di pisahkan oleh spasi  
  
System.out.println();  
// Pindah ke baris berikutnya setelah satu baris selesai dicetak
```

Output - Run (LoopingBilanganPascal) >

```
>> -----> com.mycompany.Pengantar_Pemrograman >-----  
Run (LoopingBilanganPascal)
```

Pro... X Files Services

Source Packages

com.mycompany.pengantar_pemrograman

- LoopingBilanganPascal.java
- Pajak.java
- Pembayaran.java
- Pengantar_Pemrograman.java
- helloJava.java
- penjumlahanDuaBuahBilangan.java

Test Packages

Dependencies

Java Dependencies

Project Files

LoopingBilanganPascal... X

Members

LoopingBilanganPascal

- LoopingBilanganPascal
- main(String[] args)

Output - Run (LoopingBilanganPascal) X

```
-----< com.mycompany:Pengantar_Pemrograman >-----
[INFO] Building Pengantar_Pemrograman 1.0-SNAPSHOT
[INFO] from pom.xml
-----[ jar ]-----
[INFO] --- resources:3.3.1:resources (default-resources) @ Pengantar_Pemrograman ---
[INFO] skip non existing resourceDirectory C:\Users\kensh\OneDrive\Dokumen\NetBeansProjects\Pengantar_Pemrograman\src\main\resources
[INFO] --- compiler:3.13.0:compile (default-compile) @ Pengantar_Pemrograman ---
[INFO] Recompiling the module because of changed source code.
[INFO] Compiling 6 source files with javac [debug release 24] to target\classes
[INFO] --- exec:3.1.0:exec (default-cli) @ Pengantar_Pemrograman ---
[INFO] ===== Tambahkan Looping Index =====
[INFO] 5
[INFO] 1
[INFO] 1 1
[INFO] 1 2 1
[INFO] 1 3 3 1
[INFO] 1 4 6 4 1
-----
[BUILD SUCCESS]
-----
Total time: 9.565 s
Finished at: 2025-10-19T09:00:32+07:00
-----
```

Run (LoopingBilanganPascal) X (1) 50:2 INS Windows (CRLF)