

# Pengembangan Aplikasi Web

## Pertemuan Ke-4 (PHP: Lanjut 2)

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Semester Gasal 2023/2024

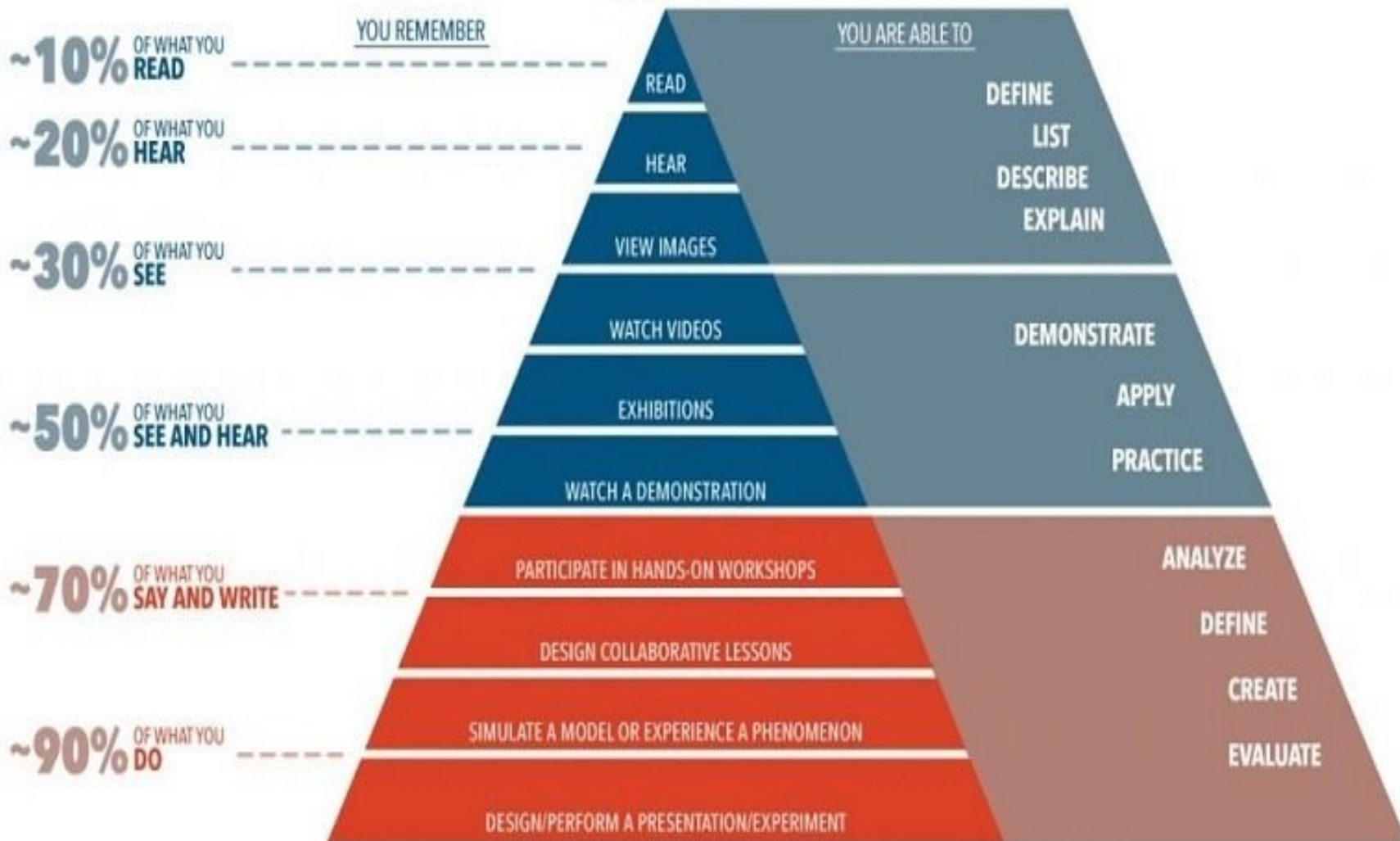
S1 Teknik Informatika – Universitas Trunojoyo Madura (UTM)

# CONE OF EXPERIENCE

EDGAR DALE

PASSIVE LEARNING

ACTIVE LEARNING



<https://elearningindustry.com/>

# SOFT SKILLS FOR STUDENTS

## 6 SKILLS TO HELP YOU SUCCEED



**1 Problem Solving**

Do you see problems as interesting opportunities? Problem solvers anticipate potential stumbling blocks and act to prevent them or mitigate their effects.

**TIP:** You don't always need to start by trying to solve the problem. First, aim to understand the root of the problem.



**2 Creativity**

Are you able to think outside of the box even when you're not asked to? Everyone has creative abilities. Creative thinking skills help you to look at problems and situations from a fresh perspective.



**3 Communication**

Are you an effective communicator and active listener? Communication skills will help you understand others and be better understood in return. This can help make each interaction you have in both your work and social life a more positive experience.




**4 Time Management**

Are you an organized person who meets deadlines? Good time management skills enable you to do more in less time, helping you reduce stress and maintain a better work-life balance.

**TIP:** Prioritize your tasks and delegate a time limit to how long you spend on each one.



**5 Stress Management**

Can you identify and tackle your stress triggers? Being able to manage stress allows you to break the hold it can have on your life. This will make you happier, healthier, and more productive in return.

**TIP:** Set limits and learn to say no to requests that would create excessive stress in your life.



**6 Teamwork**

Are you a team player who collaborates well with others? Teamwork requires leadership and goal orientation. Whether in school or a job, the better you work within a team, the better your work will be!

**TIP:** Always clarify roles, responsibilities and accountability with your team members.



**END**



You won't always be a priority to others,  
and that's why you have to be a priority to yourself.


Learn to respect yourself, take care of yourself,  
and become your own support system.

Your needs matter. Start meeting them. Don't wait  
for others to choose you. Choose yourself.

*Jazz Zo Marcellus*

# Tabu Bagi Mahasiswa Teknik Informatika

- ❖ Tidak dapat beradaptasi dengan (perkembangan) teknologi
- ❖ Tidak dapat membaca atau memahami instruksi
- ❖ Tidak dapat membuat program



**LEARNING IS NEVER  
DONE WITHOUT  
ERRORS AND DEFEAT**

VLADIMIR LENIN

PICTUREQUOTES.com



PICTUREQUOTES

# Sub Pokok Bahasan

- Struktur Perulangan
  - WHILE
  - DO-WHILE
  - FOREACH

# Struktur Perulangan: WHILE

<https://www.php.net/manual/en/control-structures.while.php>

- Digunakan ketika ingin melakukan perulangan selama kondisi yang ditentukan adalah *true*

```
<?php
$count = 1;
while ($count <= 10)
{
    echo "Iteration number: " . $count . "<br>";
    $count++;
}
?>
```

# Struktur Perulangan: DO-WHILE

<https://www.php.net/manual/en/control-structures.do.while.php>

- Digunakan ketika ingin melakukan perulangan selama kondisi yang ditentukan adalah *true*. Namun struktur DO-WHILE akan selalu setidaknya melakukan satu kali perulangan, meskipun kondisi yang ditentukan bernilai *false*.

```
<?php
$count = 1;
do
{
    echo "Iteration number: " . $count . "<br>";
    $count++;
}
while ($count <= 10)
?>
```



# Challenge #1

Gunakan struktur perulangan **WHILE** dan **DO-WHILE** pada PHP untuk mencetak teks dengan penomoran terurut ke bawah seperti berikut:

“Iteration number 10”

“Iteration number 9”

“Iteration number 8”

“Iteration number 7”

“Iteration number 6”

“Iteration number 5”

“Iteration number 4”

“Iteration number 3”

“Iteration number 2”

“Iteration number 1”

# Challenge #2

Gunakan struktur perulangan **WHILE** dan **DO-WHILE** pada PHP untuk mencetak teks dengan penomoran terurut ke atas seperti berikut:

“Iteration number 1”

“Iteration number 4”

“Iteration number 7”

“Iteration number 10”

“Iteration number 13”

“Iteration number 16”

“Iteration number 19”

“Iteration number 22”

“Iteration number 25”

“Iteration number 28”

# Challenge #3

Gunakan struktur perulangan **WHILE** dan **DO-WHILE** pada PHP untuk mencetak teks dengan penomoran terurut ke bawah seperti berikut:

“Iteration number 28”

“Iteration number 25”

“Iteration number 22”

“Iteration number 19”

“Iteration number 16”

“Iteration number 13”

“Iteration number 10”

“Iteration number 7”

“Iteration number 4”

“Iteration number 1”

# Struktur Perulangan: FOREACH

<http://php.net/manual/en/control-structures.foreach.php>

```
<?php
    $mylist = array(36,19,27,9,10,10,-89);
    foreach ($mylist as $v)
    {
        echo "$v<br/>";
    }

    $places = array(5 => 'Adi', 2 => 'Budi',
                    'akhir' => 'Citra' );
    foreach ($places as $key => $val)
    {
        echo "<p>Posisi: $key, Atlit: $val</p>";
    }
?>
```

36  
19  
27  
9  
10  
10  
-89

Posisi: 5, Atlit: Adi

Posisi: 2, Atlit: Budi

Posisi: akhir, Atlit: Citra

# Challenge #4

Buatlah skrip PHP untuk menampilkan daftar buah di bawah dengan menggunakan foreach?

```
<h1>Daftar Buah:</h1>
<ul>
    <li>Apel</li>;
    <li>Jeruk</li>;
    <li>Pisang</li>;
</ul>
```

## Daftar Buah:

- Apel
- Jeruk
- Pisang

# Video Perkuliahan

- Penjelasan materi kuliah dapat dilihat via YouTube (*recording* Semester Gasal 2020/2021): <https://youtu.be/rj0IwSoiPNA> mulai dari *timestamp* 27:07 hingga 39:00
- *Note: Kerjakan Challenge(s) berdasarkan slide Semester Gasal 2023/2024 (bukan berdasarkan slide yang ditampilkan dalam recording Semester Gasal 2020/2021)*



there is  
**ALWAYS**  
something to  
**BE GRATEFUL**  
for



whilehowsnapping.com

**SURROUND  
YOURSELF  
WITH POSITIVE  
PEOPLE WHO  
ARE GOING TO  
PUSH YOU  
TOWARD  
GREATNESS.**

PictureQuotes.com