

# **LAPORAN PELATIHAN JQUERY**

*Disusun Guna Memenuhi Tugas Mata Kuliah Pemrograman Web  
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**PROGRAM STUDI SISTEM INFORMASI KELAUTAN  
KAMPUS DAERAH SERANG  
UNIVERSITAS PENDIDIKAN INDONESIA  
2021**

## ➤ JS Variables

Completed 67 of 67 Exercises:

JS Variables ✓

✓ Exercise 1

✓ Exercise 2

✓ Exercise 3

✓ Exercise 4

✓ Exercise 5

[Go to JS Variables Tutorial](#)

JS Operators ✓

JS Data Types ✓

JS Functions ✓

JS Objects ✓

### Exercise:

On one single line, declare three variables with the following names and values:

```
firstName = "John"
lastName = "Doe"
age = 35
```

```
var firstName = "John", lastName = "Doe", age = 35;
```

[Show Answer](#)

Completed 5 of 67 Exercises:

JS Variables ✓

✓ Exercise 1

✓ Exercise 2

✓ Exercise 3

✓ Exercise 4

✓ Exercise 5

[Go to JS Variables Tutorial](#)

JS Operators

JS Data Types

### Exercise:

On one single line, declare three variables with the following names and values:

```
firstName = "John"
lastName = "Doe"
age = 35
```

Correct!

[Next >](#)

## ➤ JS Operators

Completed 9 of 67 Exercises:

JS Variables ✓

JS Operators

✓ Exercise 1

✓ Exercise 2

✓ Exercise 3

✓ Exercise 4

Exercise 5

[Go to JS Operators Tutorial](#)

JS Data Types

JS Functions

### Exercise:

Use the correct **assignment operator** that will result in `x` being `50` (same as `x = x * y`).

```
x = 10;
y = 5;
x *= y;
```

[Show Answer](#)

Completed 10 of 67 Exercises:

JS Variables

JS Operators

Exercise 1

Exercise 2

Exercise 3

Exercise 4

Exercise 5

[Go to JS Operators Tutorial](#)

JS Data Types

JS Functions

JS Objects

## Exercise:

Use the correct **assignment operator** that will result in `x` being 50 (same as `x = x * y`).

Correct!  
Next >

Next Exercise >

## ➤ JS Data Taypes

Completed 10 of 67 Exercises:

JS Variables

JS Operators

JS Data Types

Exercise 1

[Go to JS Data Types Tutorial](#)

JS Functions

JS Objects


JS Events

JS Strings

JS String Methods


JS Arrays

JS Array Methods



From enhanced safety to quality manufacturing, our durable and lightweight bottles are made to power up your active lifestyle.

[Discover more](#)



## Exercise:

Use comments to describe the correct data type of the following variables:

```
let length = 16;           // Number
let lastName = "Johnson"; // String
const x = {
  firstName: "John",
  lastName: "Doe"
};                          // Object
```

Show Answer

Submit Answer >

Completed 11 of 67 Exercises:

JS Variables

JS Operators

JS Data Types

Exercise 1

[Go to JS Data Types Tutorial](#)

JS Functions

JS Objects


JS Events

JS Strings

JS String Methods


JS Arrays

JS Array Methods



From enhanced safety to quality manufacturing, our durable and lightweight bottles are made to power up your active lifestyle.

[Discover more](#)



## Exercise:

Use comments to describe the correct data type of the following variables:

Correct!  
Next >

Next Exercise >

## ➤ JS Functions

The screenshot shows the w3schools.com JavaScript exercise page for Functions, exercise 4. The left sidebar shows a list of exercises, with 'Exercise 4' highlighted. The main content area displays the exercise title 'Exercise:', the instruction 'Make the function display "Hello" in the inner HTML of an element with the ID "demo".', and a code editor containing the following JavaScript code:

```
function myFunction() {  
  document.getElementById("demo").innerHTML = "Hello";  
}
```

Below the code editor is a 'Submit Answer >' button. To the right of the code editor is a 'Show Answer' button. The bottom of the page shows a green box with the text 'Correct!' and a 'Next >' button. The bottom of the page also shows a 'Next Exercise >' button.

Completed 14 of 67 Exercises:

- JS Variables ✓
- JS Operators ✓
- JS Data Types ✓
- JS Functions
- ✓ Exercise 1
- ✓ Exercise 2
- ✓ Exercise 3
- Exercise 4
- [Go to JS Functions Tutorial](#)
- JS Objects
- JS Events
- JS Strings

Exercise:

Make the function display "Hello" in the inner HTML of an element with the ID "demo".

```
function myFunction() {  
  document.getElementById("demo").innerHTML = "Hello";  
}
```

Show Answer

Submit Answer >

Completed 15 of 67 Exercises:

- JS Variables ✓
- JS Operators ✓
- JS Data Types ✓
- JS Functions ✓
- ✓ Exercise 1
- ✓ Exercise 2
- ✓ Exercise 3
- ✓ Exercise 4
- [Go to JS Functions Tutorial](#)
- JS Objects
- JS Events
- JS Strings

Exercise:

Make the function display "Hello" in the inner HTML of an element with the ID "demo".

Correct!

Next >

Next Exercise >

## ➤ JS Objects

The image displays two sequential screenshots of the w3schools JavaScript Exercises page, specifically for the 'JS Objects' section.

**Top Screenshot:**

- Navigation:** The left sidebar shows a list of JavaScript topics: JS Variables, JS Operators, JS Data Types, JS Functions, JS Objects, Exercise 1, Exercise 2, Exercise 3 (highlighted), Go to JS Objects Tutorial, JS Events, JS Strings, and JS String Methods.
- Exercise Title:** "Exercise:"
- Instructions:** "Create an object called person with name = John, age = 50. Then, access the object to alert('John is 50').".
- Code Editor:** Contains the following JavaScript code:

```
const person = {  
  name: "John", age: 50  
};  
alert(person.name + " is " + person.age);
```
- Buttons:** "Submit Answer >" and "Show Answer" (disabled).

**Bottom Screenshot:**

- Navigation:** The left sidebar is identical to the top screenshot, but "Exercise 3" is now marked as completed with a checkmark.
- Exercise Title:** "Exercise:"
- Instructions:** "Create an object called person with name = John, age = 50. Then, access the object to alert('John is 50').".
- Feedback:** A large green box displays "Correct!" and "Next >".
- Buttons:** "Next Exercise >" (highlighted).

## ➤ JS Events

The image displays two sequential screenshots of a web browser showing the 'w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_events3' page. The browser's address bar and tabs are visible at the top of each screenshot.

**Top Screenshot:** The page shows the 'Exercise:' section with the instruction: 'The <div> element should turn red when someone moves the mouse over it.' Below this, a code editor contains the following HTML code: `<div onmouseover="this.style.backgroundColor='red'">myDIV.</div>`. A 'Submit Answer >' button is located at the bottom left of the code area, and a 'Show Answer' button is at the bottom right. The left sidebar indicates 'Completed 20 of 67 Exercises' and lists various JavaScript topics, with 'Exercise 3' highlighted in green.

**Bottom Screenshot:** This screenshot shows the same page after the answer has been submitted. The instruction remains the same. The code editor now displays a large green box with the text 'Correct!' and a 'Next >' link below it. The 'Submit Answer >' button has been replaced by a 'Next Exercise >' button. The left sidebar now shows 'Completed 21 of 67 Exercises', and 'Exercise 3' remains highlighted in green.

## ➤ JS Strings

SPOT UPI | Mahasiswa | Dashboard JavaScript Exercises Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_strings3

Completed 23 of 67 Exercises:

- JS Variables ✓
- JS Operators ✓
- JS Data Types ✓
- JS Functions ✓
- JS Objects ✓
- JS Events ✓
- JS Strings
  - ✓ Exercise 1
  - ✓ Exercise 2
  - Exercise 3**
  - [Go to JS Strings Tutorial](#)
- JS String Methods

## Exercise:

Concatenate the two strings to alert "Hello World!".

```
let str1 = "Hello ";
let str2 = "World!";
alert(str1 + str2);
```

[Submit Answer >](#) [Show Answer](#)

Type here to search 27°C Kabut 11:49 02/10/2021

## ➤ JS String Methods

The image displays two sequential screenshots of a web browser showing a JavaScript exercise on the w3schools website. The browser's address bar indicates the URL: `w3schools.com/js/exercise_js.asp?filename=exercise_js_string_methods5`.

**Top Screenshot:**

- Left Sidebar:** A navigation menu titled "Completed 28 of 67 Exercises:". It lists categories: "JS Strings" (checked), "JS String Methods" (checked), "Exercise 1" through "Exercise 4" (all checked), "Exercise 5" (highlighted in green), "Go to JS String Methods Tutorial", "JS Arrays", "JS Array Methods", "JS Array Sort", "JS Dates", and "JS Math".
- Main Content Area:**
  - Exercise:** A heading followed by the instruction: "Convert the value of `txt` to lower case."
  - Code Editor:** A light gray box containing the JavaScript code:

```
let txt = "Hello World";  
txt = txt.toLowerCase();
```
  - Buttons:** A green "Submit Answer >" button is at the bottom left, and a dark gray "Show Answer" button is at the bottom right.

**Bottom Screenshot:**

- Left Sidebar:** Similar to the top, but now "Exercise 5" is checked, and the total count is "Completed 29 of 67 Exercises:". The "Next Exercise >" button is now visible at the bottom of the sidebar.
- Main Content Area:**
  - Exercise:** The same instruction is present.
  - Feedback:** A large green box displays "Correct!" in green text, with a "Next >" link below it.
  - Buttons:** A green "Next Exercise >" button is at the bottom left.

➤ JS Arrays



The image displays two screenshots of the w3schools JavaScript Exercises page, specifically for Exercise 3, which focuses on array properties.

**Top Screenshot:** The page shows the exercise title "Exercise:" and the instruction "Alert the number of items in an array, using the correct Array property." Below this, a code editor contains the following JavaScript code:

```
const cars = ["Volvo", "Jeep", "Mercedes"];
alert(cars.length);
```

Buttons for "Submit Answer" and "Show Answer" are visible.

**Bottom Screenshot:** This screenshot shows the same exercise page after completion. The instruction remains the same, but the code editor area now displays a large green box with the text "Correct!" and a "Next" link. A "Next Exercise" button is also present at the bottom.

The left sidebar of both screenshots lists various JavaScript topics, with "Exercise 3" highlighted under the "JS Arrays" category. The browser's address bar shows the URL: `w3schools.com/js/exercise_js.asp?filename=exercise_js_arrays3`.

## ➤ JS Array Methods

The image displays two screenshots of the w3schools JavaScript Exercises page, specifically the 'Exercise v3.0' for 'Exercise 3' on 'JS Array Methods'.

**Top Screenshot:** The page shows the exercise instructions: "Use the `splice()` method to remove 'Orange' and 'Apple' from `fruits`." Below the instructions, the initial code is provided: 

```
const fruits = ["Banana", "Orange", "Apple", "Kiwi"];
fruits.splice(1, 2);
```

 A "Submit Answer" button is visible at the bottom of the code area.

**Bottom Screenshot:** This screenshot shows the same page after the user has submitted their answer. The code area now displays "Correct!" in green text, followed by a "Next" link. A "Next Exercise" button is also present at the bottom of the code area.

The left sidebar of the page lists various JavaScript topics, with 'JS Array Methods' and 'Exercise 3' highlighted. The top navigation bar includes links to 'SPOT UPI | Mahasiswa | Dashboard', 'JavaScript Exercises', and 'Exercise v3.0'. The bottom status bar shows the system clock as 11:58 on 02/10/2021.

## ➤ JS Array Sort

SPOT UPI | Mahasiswa | Dashboard x JavaScript Exercises x Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_array\_sort1

Completed 35 of 67 Exercises:

- JS Array Methods
- JS Array Sort
- Exercise 1**
- Go to JS Array Sort Tutorial
- JS Dates
- JS Math
- JS Comparisons
- JS Conditions
- JS Switch
- JS For Loops
- JS While Loops
- JS Break Loops
- JS HTML DOM

## Exercise:

Use the correct Array method to sort the `fruits` array alphabetically.

```
const fruits = ["Banana", "Orange", "Apple", "Kiwi"];
fruits.sort();
```

Show Answer

Submit Answer >

Type here to search

28°C Kabut 11:58 02/10/2021

SPOT UPI | Mahasiswa | Dashboard x JavaScript Exercises x Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_array\_sort1

Completed 40 of 67 Exercises:

- JS Variables ✓
- JS Operators ✓
- JS Data Types ✓
- JS Functions ✓
- JS Objects ✓
- JS Events ✓
- JS Strings ✓
- JS String Methods ✓
- JS Arrays ✓
- JS Array Methods ✓
- JS Array Sort ✓
- Exercise 1 ✓**

## Exercise:

Use the correct Array method to sort the `fruits` array alphabetically.

Correct!

Next >

Next Exercise >

Untitled - Paint

Type here to search

28°C 12:02 02/10/2021

## ➤ JS Dates

The image displays two sequential screenshots of a web browser showing the w3schools JavaScript Exercises page. The browser tabs include 'SPOT UPI | Mahasiswa | Dashboard', 'JavaScript Exercises', and 'Exercise v3.0'. The address bar shows the URL 'w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_dates4'.

**Top Screenshot:** The left sidebar shows a list of exercises under 'Completed 39 of 67 Exercises:'. 'JS Array Methods' and 'JS Array Sort' are checked. 'JS Dates' is selected, and 'Exercise 4' is highlighted in green. The main content area is titled 'Exercise:' and contains the instruction: 'Use the correct Date method to set the year of a date object to 2020.' Below this, a code editor shows the following code:

```
const d = new Date();  
d.setFullYear(2020);
```

A 'Show Answer' button is visible on the right, and a 'Submit Answer >' button is at the bottom left.

**Bottom Screenshot:** The left sidebar now shows 'Completed 40 of 67 Exercises:'. 'Exercise 4' is still highlighted. The main content area displays 'Correct!' in green text, followed by a 'Next >' link. A 'Next Exercise >' button is at the bottom left.

➤ JS Math

SPOT UPI | Mahasiswa | Dashboard JavaScript Exercises Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_math4

Completed 43 of 67 Exercises:

- JS Array Sort
- JS Dates
- JS Math
- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4**
- [Go to JS Math Tutorial](#)
- JS Comparisons
- JS Conditions
- JS Switch
- JS For Loops
- JS While Loops

## Exercise:

Use the correct Math method to get the square root of 9.

```
let x = Math.sqrt(9);
```

[Submit Answer >](#) [Show Answer](#)

Type here to search 28°C Kabut 12:04 02/10/2021

## ➤ JS Comparisons

JavaScript Exercises Exercise v3.0 JavaScript Certification - W3Schools

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_comparisons4

Completed 67 of 67 Exercises:

- JS Dates
- JS Math
- JS Comparisons
- Exercise 1
- Exercise 2
- Exercise 3
- Exercise 4**
- [Go to JS Comparisons Tutorial](#)
- JS Conditions
- JS Switch
- JS For Loops
- JS While Loops
- JS Break Loops

## Exercise:

Choose the correct conditional (ternary) operator to alert "Too young" if age is less than 18, otherwise alert "Old enough".

```
var age = n;  
var voteable = (age < 18) ? "Too young" : "old enough";  
alert(voteable);
```

[Submit Answer >](#) [Show Answer](#)

Type here to search 19°C Kabut 6:44 03/10/2021

SPOT UPI | Mahasiswa | Dashboard x JavaScript Exercises x Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_comparisons4

Completed 50 of 67 Exercises:

- JS Dates ✓
- JS Math ✓
- JS Comparisons ✓
- Exercise 1 ✓
- Exercise 2 ✓
- Exercise 3 ✓
- Exercise 4 ✓
- [Go to JS Comparisons Tutorial](#)
- JS Conditions ✓
- JS Switch
- JS For Loops
- JS While Loops

Waiting for securepubads.g.doubleclick.net...

## Exercise:

Choose the correct conditional (ternary) operator to alert "Too young" if age is less than 18, otherwise alert "Old enough".

Correct!

[Next >](#)

[Next Exercise >](#)

Type here to search

28°C Kabut 12:08 02/10/2021

## ➤ JS Conditions

JavaScript Exercises x Exercise v3.0 x JavaScript Certification - W3Sch x

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_conditions2

Completed 67 of 67 Exercises:

- JS Array Sort
- JS Dates ✓
- JS Math ✓
- JS Comparisons ✓
- JS Conditions ✓
- Exercise 1 ✓
- Exercise 2 ✓
- [Go to JS Conditions Tutorial](#)
- JS Switch ✓
- JS For Loops ✓
- JS While Loops ✓
- JS Break Loops ✓

Waiting for securepubads.g.doubleclick.net...

## Exercise:

Fix the if statement to alert "Hello World" if `x` is greater than `y`, otherwise alert "Goodbye".

```
if (x > y) {  
  alert("Hello World");  
} else {  
  alert("Goodbye");  
}
```

[Show Answer](#)

[Submit Answer >](#)

Type here to search

19°C Kabut 6:51 03/10/2021

## ➤ JS Switch

The image displays two sequential screenshots of the w3schools JavaScript exercise interface, specifically for Exercise 2.

**Top Screenshot:** The interface shows a sidebar on the left with a list of exercises. 'Exercise 2' is highlighted in green. The main content area contains the instruction: "Add a section that will alert('Neither') if fruits is neither 'banana' nor 'apple'." Below this, a code editor shows a JavaScript switch statement:

```
switch(fruits) {  
  case "Banana":  
    alert("Hello")  
    break;  
  case "Apple":  
    alert("Welcome")  
    break;  
  default:  
    alert("Neither");  
}
```

A "Submit Answer" button is visible at the bottom of the code editor area.

**Bottom Screenshot:** This screenshot shows the confirmation screen after a correct answer. The main area displays "Correct!" in green text, followed by a "Next" link. A "Next Exercise" button is located at the bottom of the main content area.

## ➤ JS For Loops

The image displays two screenshots of the w3schools JavaScript Exercises page, specifically for 'Exercise 2' under the 'JS For Loops' category. The browser tabs show 'SPOT UPI | Mahasiswa | Dashboard', 'JavaScript Exercises', and 'Exercise v3.0'. The URL is 'w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_loops2'.

**Top Screenshot (Exercise Prompt):**

- Completed 54 of 67 Exercises:
- JS Comparisons ✓
- JS Conditions ✓
- JS Switch ✓
- JS For Loops ✓
- ✓ Exercise 1
- ✓ Exercise 2
- [Go to JS For Loops Tutorial](#)
- JS While Loops
- JS Break Loops
- JS HTML DOM

**Exercise:**

Create a loop that runs through each item in the `fruits` array.

```
const fruits = ["Apple", "Banana", "Orange"];
for (x of fruits) {
  console.log(x);
}
```

[Show Answer](#)

[Submit Answer >](#)

**Bottom Screenshot (Confirmation):**

**Exercise:**

Create a loop that runs through each item in the `fruits` array.

**Correct!**

[Next >](#)

[Next Exercise >](#)

## ➤ JS While Loops



The image displays two screenshots of the w3schools JavaScript exercise interface, showing the progression from a problem statement to a correct answer confirmation.

**Top Screenshot (Exercise Page):**

- Browser Tabs:** SPOT UPI | Mahasiswa | Dashboard, JavaScript Exercises, Exercise v3.0.
- URL:** w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_loop\_while2
- Left Sidebar:** A list of JavaScript topics with checkboxes. 'Exercise 2' is highlighted in green.
- Main Content:**
  - Exercise:** Create a loop that runs as long as `i` is less than 10, but increase `i` with 2 each time.
  - Code Editor:**

```
let i = 0;
while (i < 10) {
  console.log(i);
  i = i + 2;
}
```
  - Buttons:** 'Show Answer' (black) and 'Submit Answer >' (green).

**Bottom Screenshot (Correct Page):**

- Browser Tabs:** SPOT UPI | Mahasiswa | Dashboard, JavaScript Exercises, Exercise v3.0.
- URL:** w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_loop\_while2
- Left Sidebar:** Similar to the top screenshot, but 'Exercise 2' is now marked as completed with a green checkmark.
- Main Content:**
  - Exercise:** Create a loop that runs as long as `i` is less than 10, but increase `i` with 2 each time.
  - Confirmation:** A large green box with the text 'Correct!' and a 'Next >' link.
  - Buttons:** 'Next Exercise >' (green).

**System Tray:** Both screenshots show a Windows taskbar with a search bar, application icons, and system status (28°C Kabut, 12:12, 02/10/2021).

## ➤ JS Break Loops

SPOT UPI | Mahasiswa | Dashboard | JavaScript Exercises | Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_break2

Completed 57 of 67 Exercises:

- JS Variables
- JS Comparisons
- JS Conditions
- JS Switch
- JS For Loops
- JS While Loops
- JS Break Loops
- Exercise 1
- Exercise 2
- [Go to JS Break Loops Tutorial](#)
- JS HTML DOM

## Exercise:

Make the loop jump to the next iteration when `i` is 5.

```
for (i = 0; i < 10; i++) {  
  if (i == 5) {  
    continue;  
  }  
  console.log(i);  
}
```

[Show Answer](#)

[Submit Answer >](#)

Type here to search

SPOT UPI | Mahasiswa | Dashboard | JavaScript Exercises | Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_break2

Completed 57 of 67 Exercises:

- JS Variables
- JS Comparisons
- JS Conditions
- JS Switch
- JS For Loops
- JS While Loops
- JS Break Loops
- Exercise 1
- Exercise 2
- [Go to JS Break Loops Tutorial](#)
- JS HTML DOM

## Exercise:

Make the loop jump to the next iteration when `i` is 5.

```
for (i = 0; i < 10; i++) {  
  if (i == 5) {  
    continue;  
  }  
  console.log(i);  
}
```

[Show Answer](#)

[Submit Answer >](#)

Type here to search

28°C Kabut 12:14 02/10/2021

## ➤ JS HTML DOM

SPOT UPI | Mahasiswa | Dashboard JavaScript Exercises Exercise v3.0

w3schools.com/js/exercise\_js.asp?filename=exercise\_js\_dom\_html9

Completed 66 of 67 Exercises:

JS HTML DOM

- ✓ Exercise 1
- ✓ Exercise 2
- ✓ Exercise 3
- ✓ Exercise 4
- ✓ Exercise 5
- ✓ Exercise 6
- ✓ Exercise 7
- ✓ Exercise 8
- Exercise 9**

[Go to JS HTML DOM Tutorial](#)

## Exercise:

Use the `addEventListener` to assign an onclick event to the `<button>` element.

```
<button id="demo">Click me!</button>

<script>
document.getElementById("demo").addEventListener("click", myFunction);
</script>
```

[Show Answer](#)

[Submit Answer >](#)

Type here to search

28°C Kabut 12:18 02/10/2021

## Congratulations!

You have finished all 67 JS exercises.

Share your score:

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