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## **JQuery**

JQuery adalah library JavaScript yang cukup andal, ringkas, dan mempunyai fitur yang cukup lengkap. Library ini membuat pemrosesan di HTML seperti perubahan dan manipulasi dokumen, event handling, animasi, dan Ajax dapat menjadi lebih sederhana. Hal ini didukung dengan API yang mudah digunakan dan dapat bekerja di berbagai macam browser. JQuery berfungsi sebagai library JavaScript yang membantu untuk mengatur interaksi antara JavaScript dengan HTML yang berjalan di sisi klien. Berikut merupakan kekurangan dan kelebihan JQuery

Kelebihan JQuery:

1. Dapat berinteraksi baik dengan berbagai macam tipe bahasa pemrograman lain;
2. Mendukung berbagai macam plugin; dan
3. Membuat sebuah animasi dasar dengan sangat mudah.

Kekurangan JQuery

1. Perangkat lunak open source terkadang mempunyai beberapa masalah;
2. Saat ini sudah banyak versi JQuery yang tersedia, ini berarti beberapa versi sudah tidak kompatibel dengan daripada yang lainnya;
3. JQuery menyediakan fitur lightweight interface yang mungkin saja akan menimbulkan sebuah permasalahan di kemudian hari.

# LATIHAN JQUERY

The screenshot shows a web browser window with the URL `w3schools.com/jquery/exercise_jq.asp?filename=exercise_jq_selectors1`. The page features a sidebar on the left with a list of exercises under the heading "jQuery Selectors". "Exercise 1" is selected and highlighted in green. The main content area is titled "Exercise:" and contains the instruction: "Use the correct selector to hide all <p> elements." Below this instruction is a large text input field containing the code `$("p").hide();`. To the right of the input field is a "Show Answer" button. Below the input field is a "Submit Answer >" button. At the top of the page, there is a banner for "SAMPOERNA 234" with a price of "RP 12.000" and a note "/BUNGKUS ISI 12 BATANG". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 31°C, weather as "Kabut", and the date/time as 9:36 on 03/10/2021.

Gambar 1. JQuery Selectors

The screenshot shows a web browser window with the URL `w3schools.com/jquery/exercise_jq.asp?filename=exercise_jq_events4`. The page features a sidebar on the left with a list of exercises under the heading "jQuery Events". "Exercise 4" is selected and highlighted in green. The main content area is titled "Exercise:" and contains the instruction: "If you press a keyboard key inside an <input> element, it should be hidden. Use the correct event to do so." Below this instruction is a large text input field containing the code `$("input").keypress(function(){ $(this).hide(); });`. To the right of the input field is a "Show Answer" button. Below the input field is a "Submit Answer >" button. At the top of the page, there is a banner for "Try TestRail™ For Free" with a "Sign Up" button. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 31°C, weather as "Kabut", and the date/time as 9:38 on 03/10/2021.

Gambar 2. JQuery Events

The screenshot shows a web browser window with the URL `w3schools.com/jquery/exercise_jq.asp?filename=exercise_jq_hide_show3`. The page has a sidebar on the left with a list of exercises: 'jQuery Selectors', 'jQuery Events', 'jQuery Hide and Show' (highlighted), 'Exercise 1', 'Exercise 2', 'Exercise 3' (highlighted), 'Exercise 4', 'Go to jQuery Hide and Show Tutorial', 'jQuery Fade', and 'jQuery Slide'. The main content area is titled 'Exercise:' and contains the instruction: 'Use a jQuery method to show a <p> element.' Below this is a code editor with the following JavaScript code: 

```
$("#button").click(function(){
    $("#p").show();
});
```

 To the right of the code editor is a 'Show Answer' button. Below the code editor is a 'Submit Answer >' button. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right shows the temperature as 31°C, weather as 'Kabut', and the date as 03/10/2021.

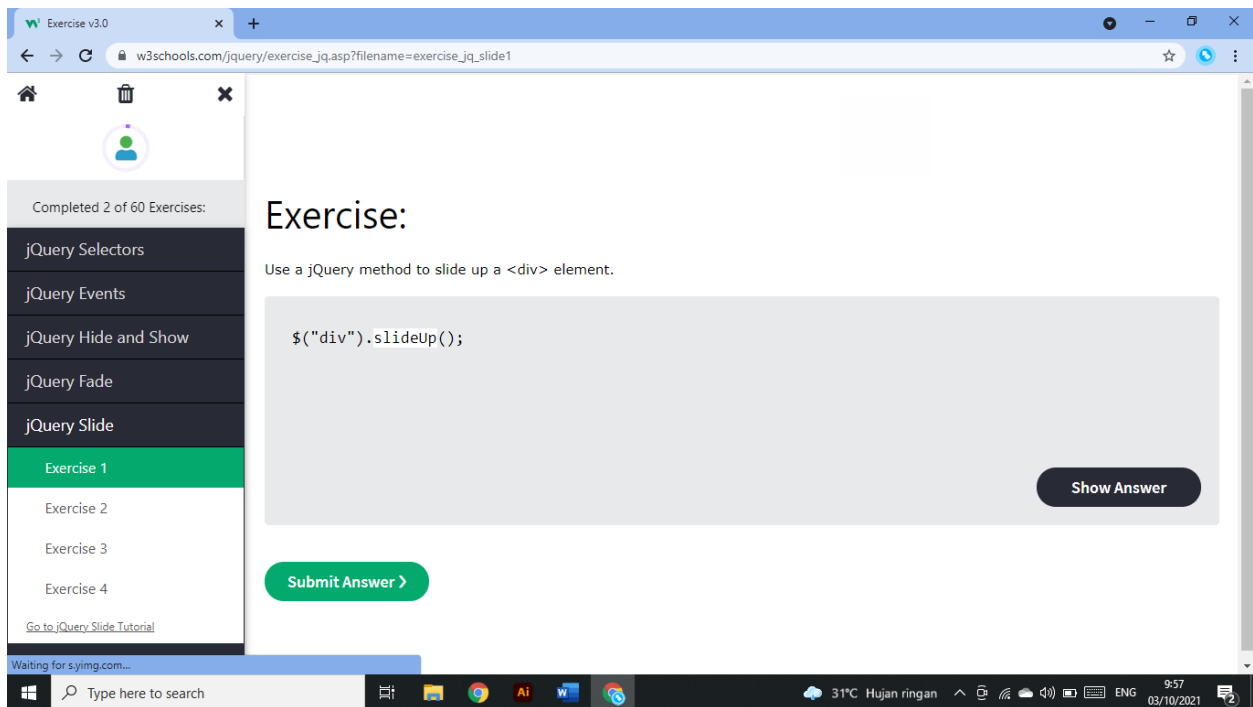
Gambar 3. JQuery Hide and Show

The screenshot shows a web browser window with the URL `w3schools.com/jquery/exercise_jq.asp?filename=exercise_jq_fade2`. The page has a sidebar on the left with a list of exercises: 'jQuery Selectors', 'jQuery Events', 'jQuery Hide and Show', 'jQuery Fade' (highlighted), 'Exercise 1', 'Exercise 2' (highlighted), 'Exercise 3', 'Exercise 4', 'Go to jQuery Fade Tutorial', 'jQuery Slide', and 'jQuery Animate'. The main content area is titled 'Exercise:' and contains the instruction: 'Use a jQuery method to fade out a <div> element.' Below this is a 'Note: The duration of the effect should be "slow".' Below the note is a code editor with the following JavaScript code: 

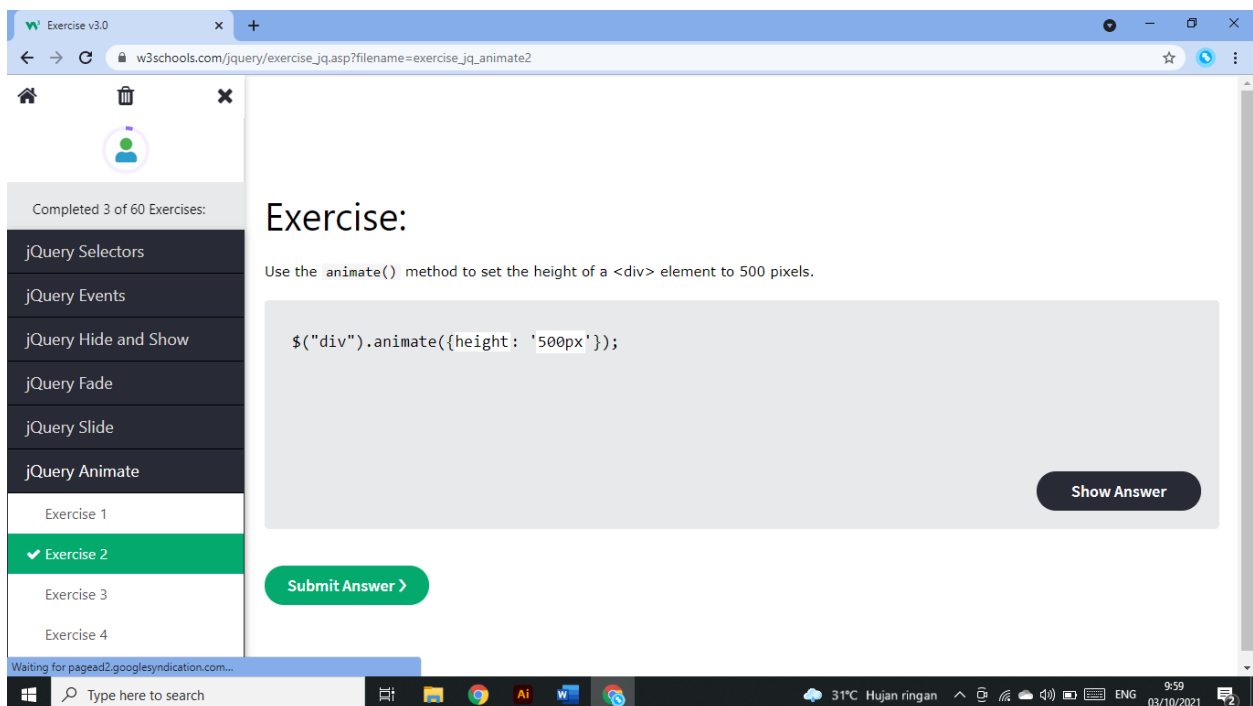
```
$("#div").fadeOut("slow");
```

 To the right of the code editor is a 'Show Answer' button. Below the code editor is a 'Submit Answer >' button. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right shows the temperature as 31°C, weather as 'Hujan ringan', and the date as 03/10/2021.

Gambar 4. JQuery Fade



Gambar 4. JQuery Slide



Gambar5. JQuery Animate