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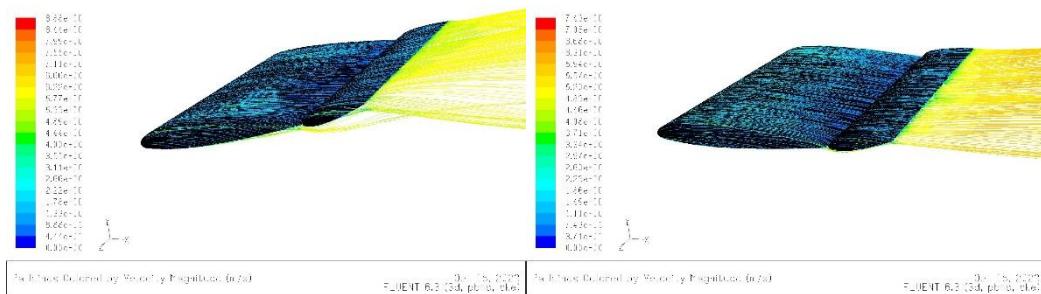
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LAMPIRAN

Lampiran 1 Pathline Model Benda Uji

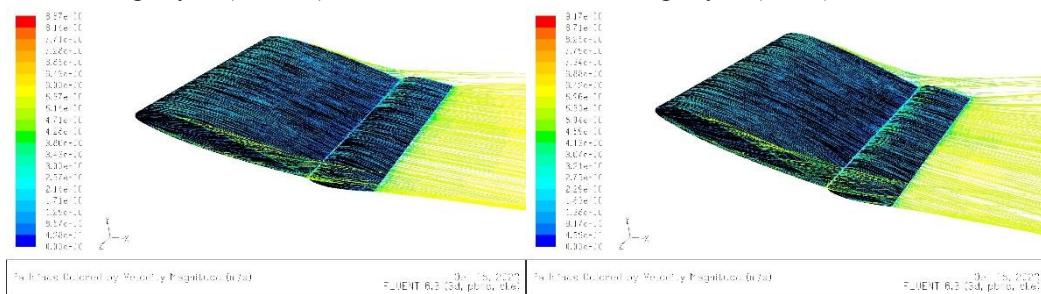
1. Karakteristik aliran pada model uji dengan variasi sudut serang *airfoil*

(a) pada $\delta_u = -10^\circ$ dan $\delta_k = -10^\circ$



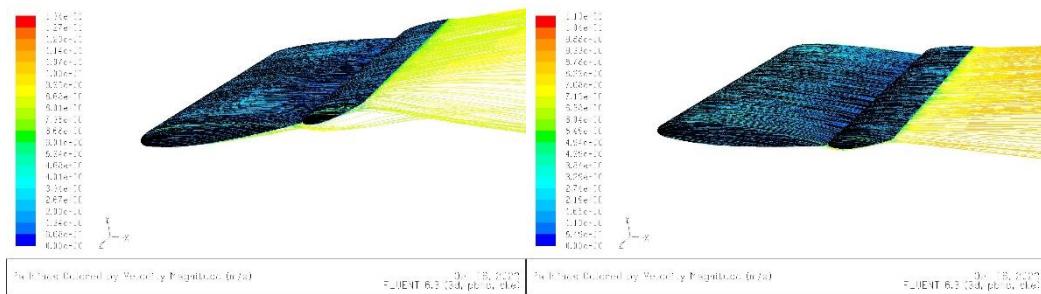
Sudut serang *airfoil* ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$

Sudut serang *airfoil* ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$



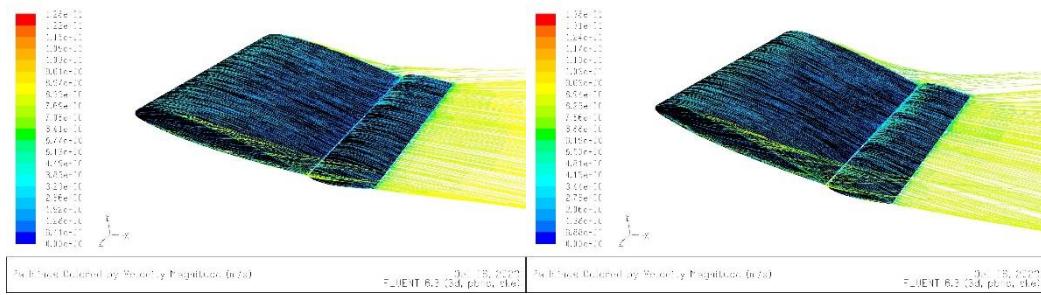
Sudut serang *airfoil* ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$

Sudut serang *airfoil* ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$



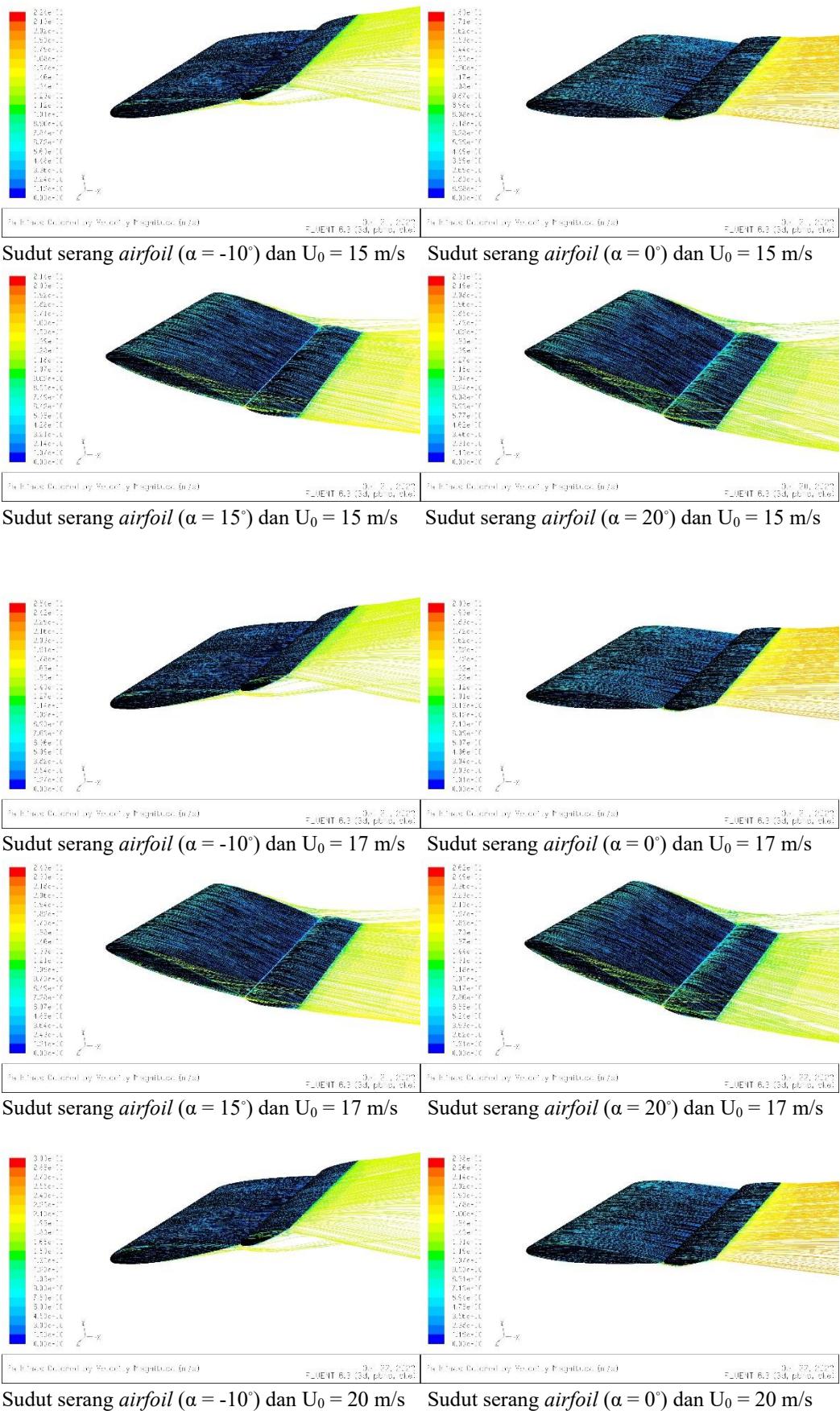
Sudut serang *airfoil* ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$

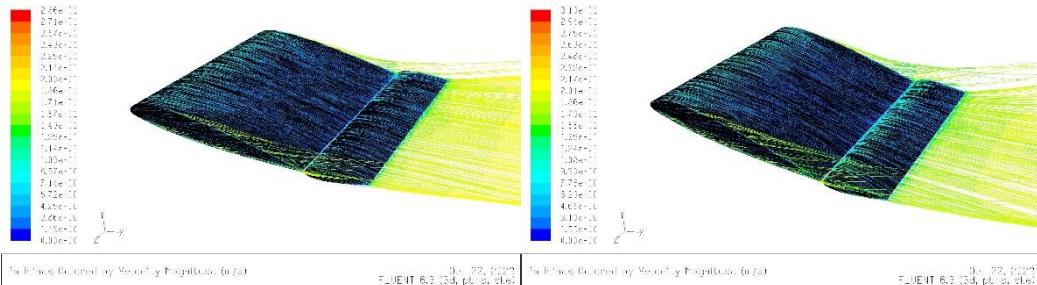
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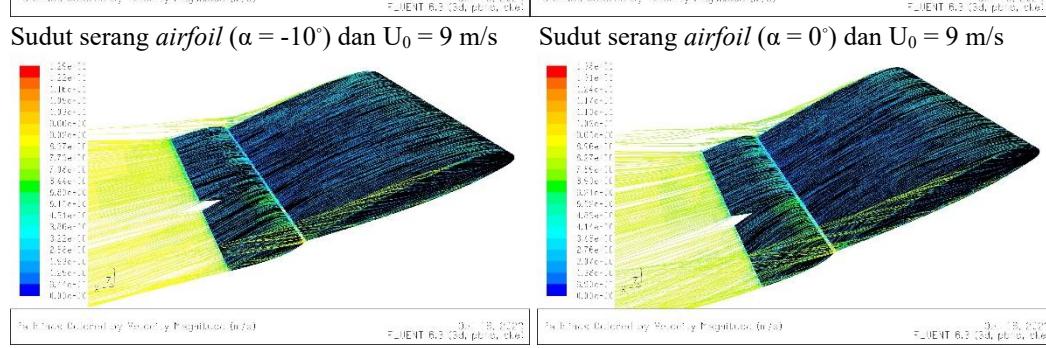
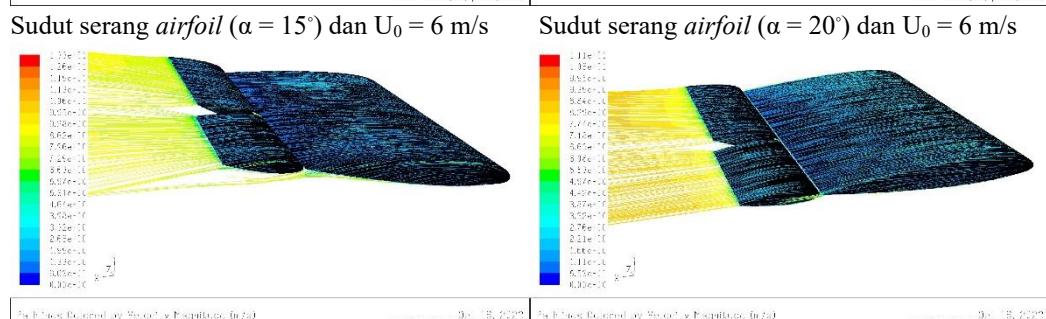
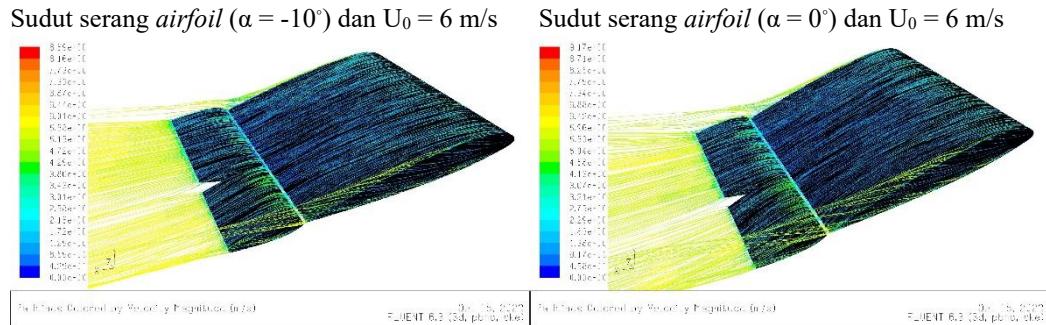
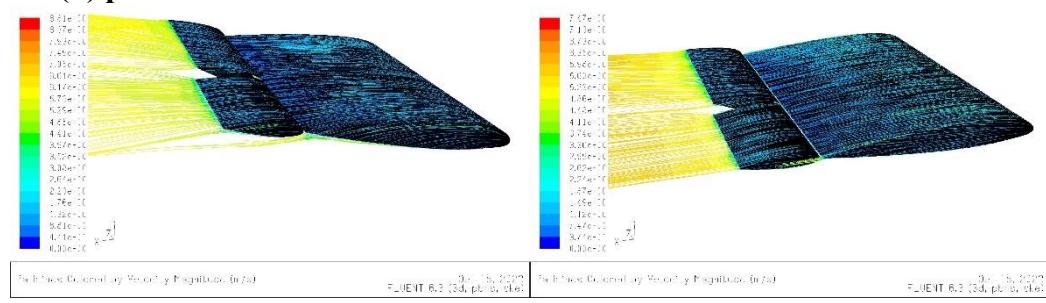
Sudut serang *airfoil* ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$

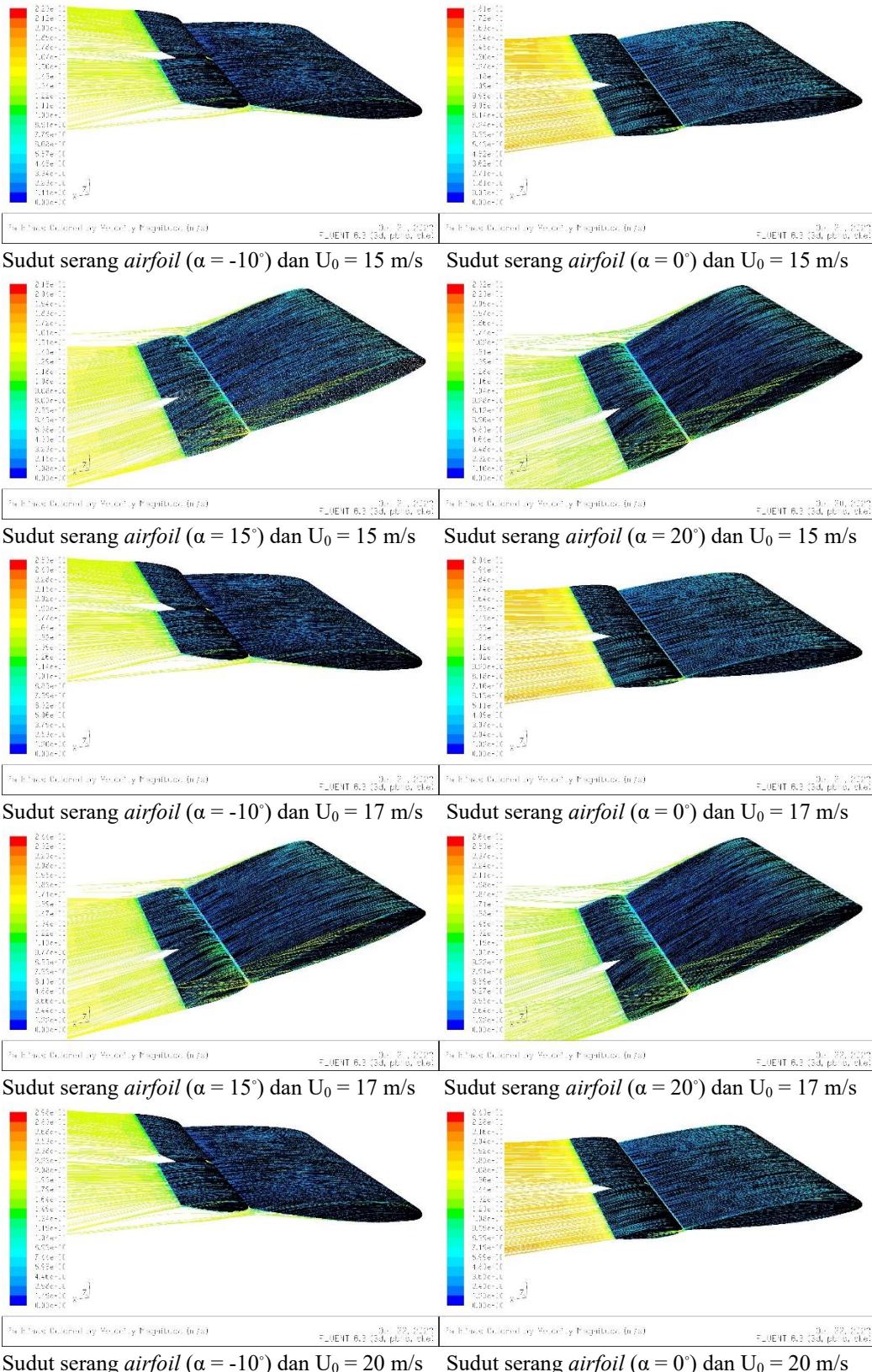
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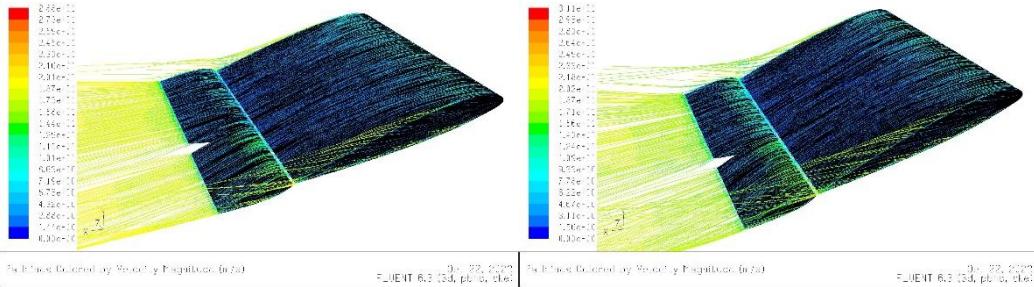




2. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = -10^\circ$ dan $\delta_k = 0^\circ$

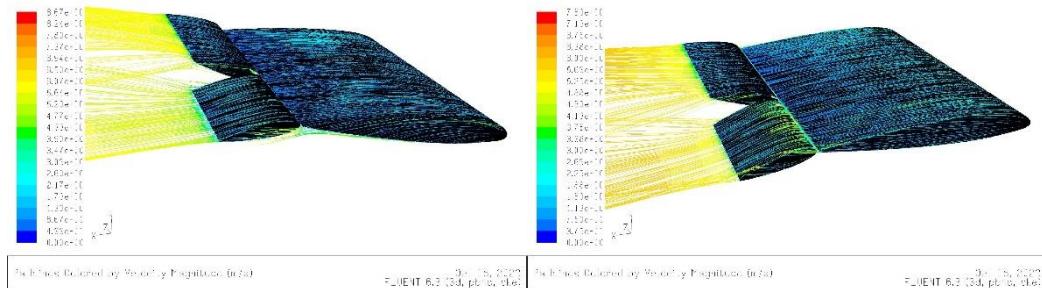




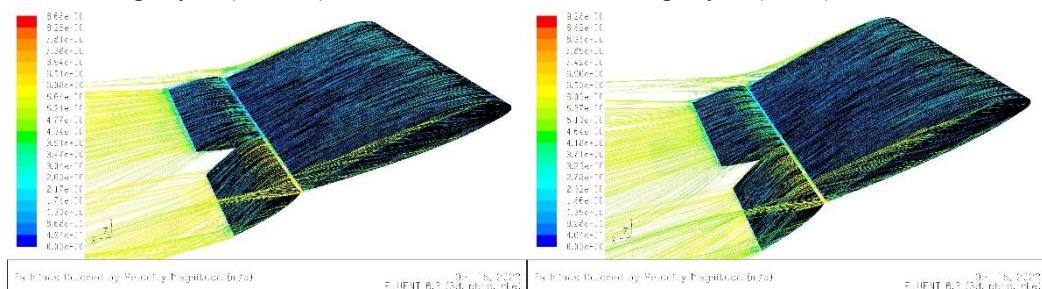


Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$

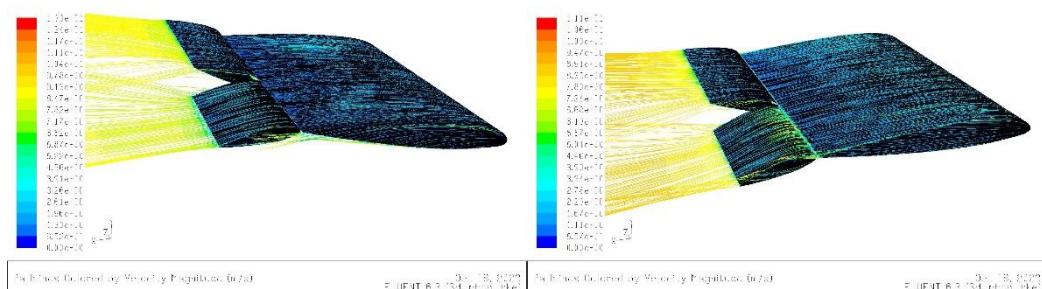
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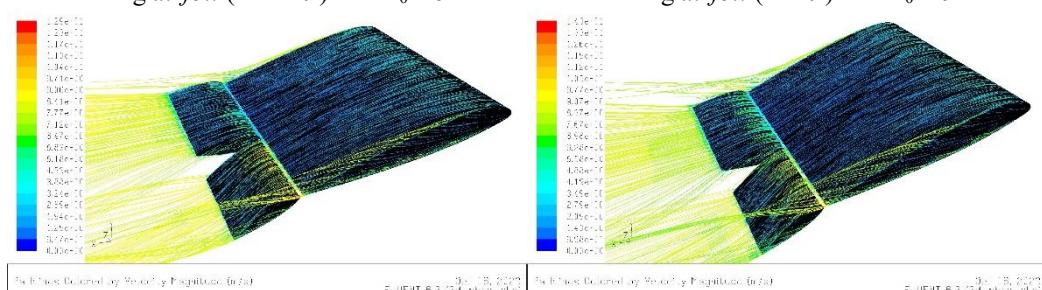
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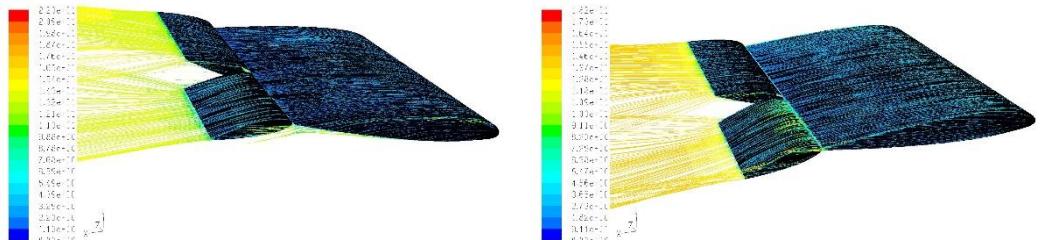
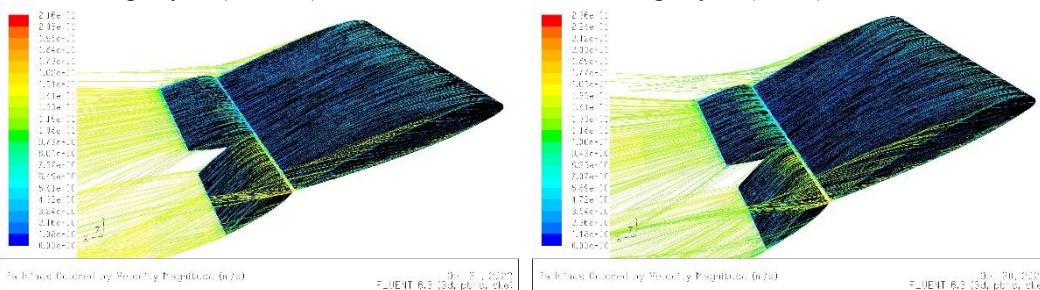
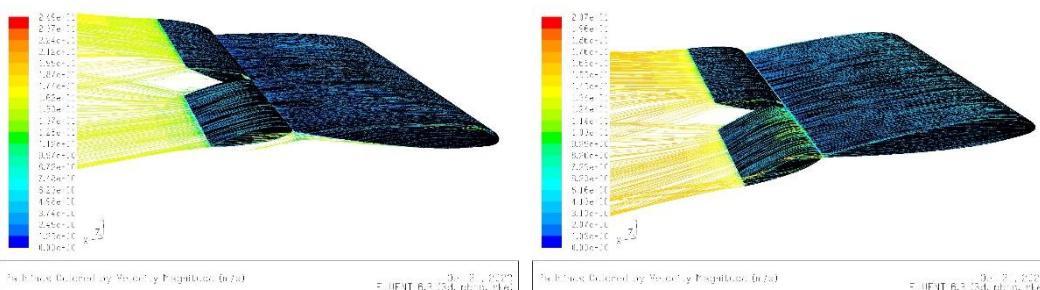
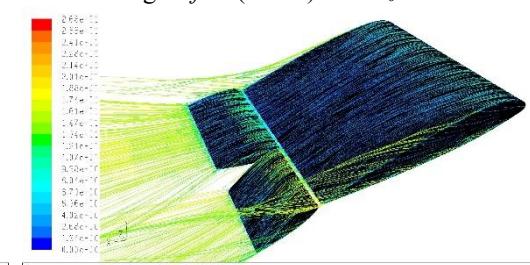
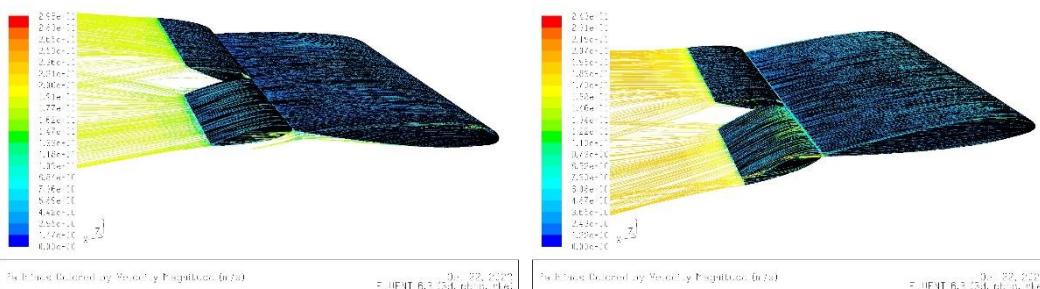
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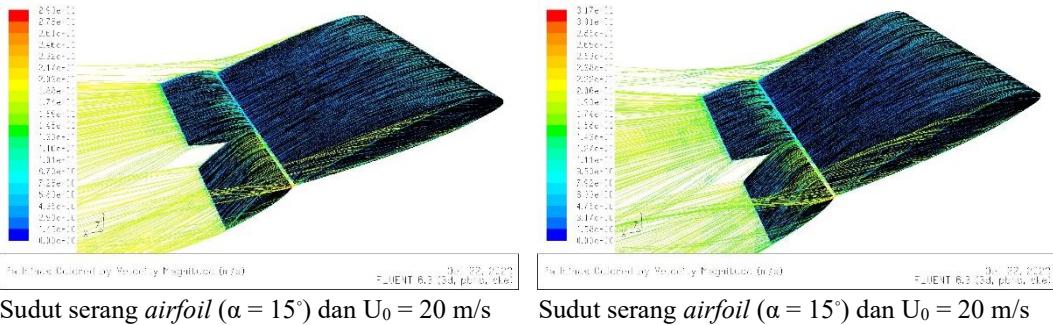


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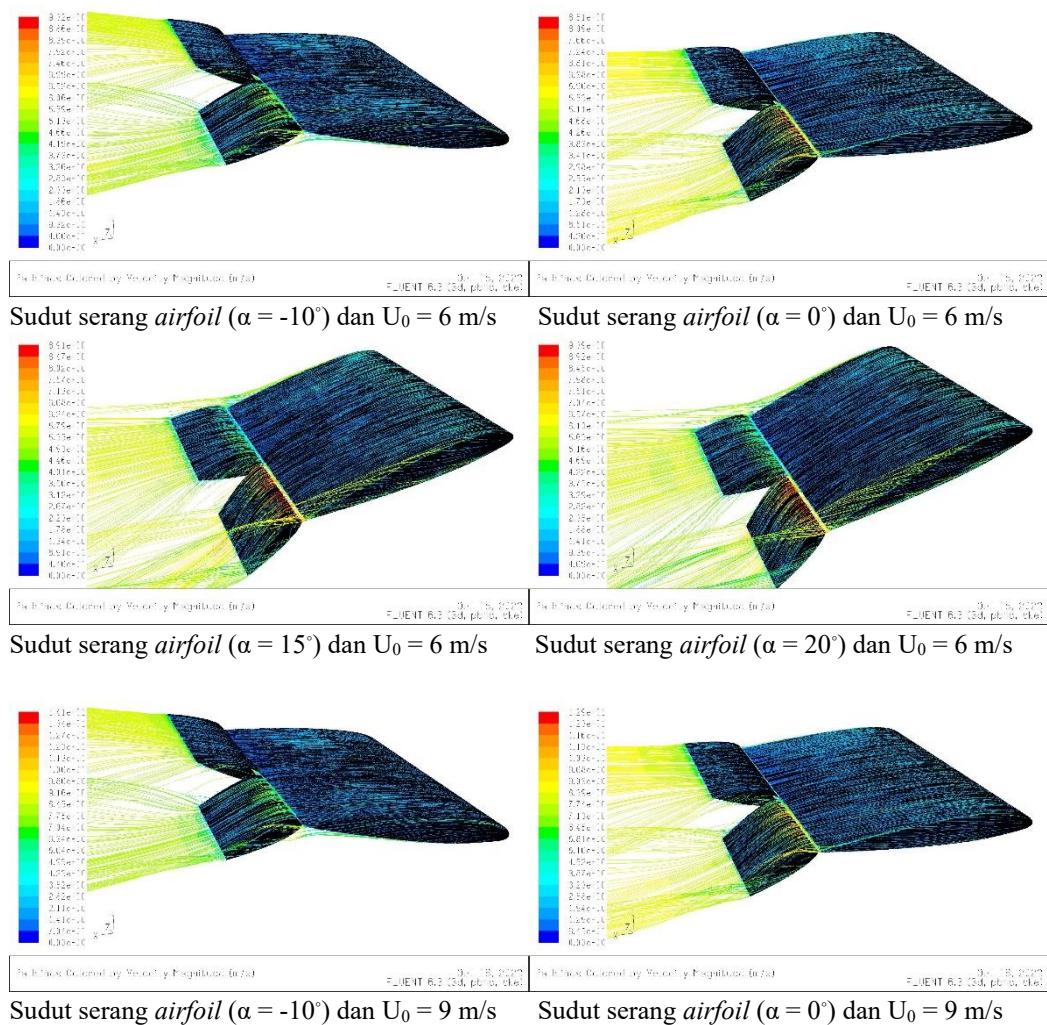


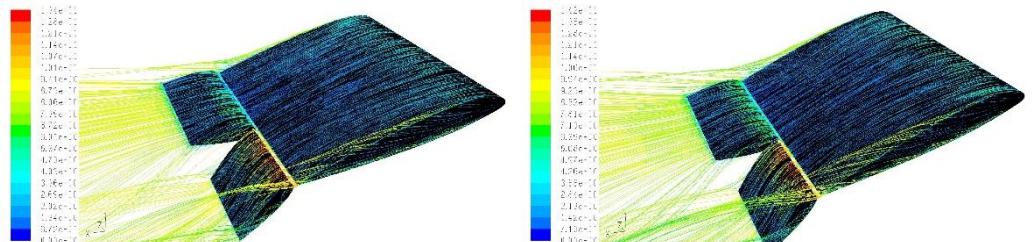
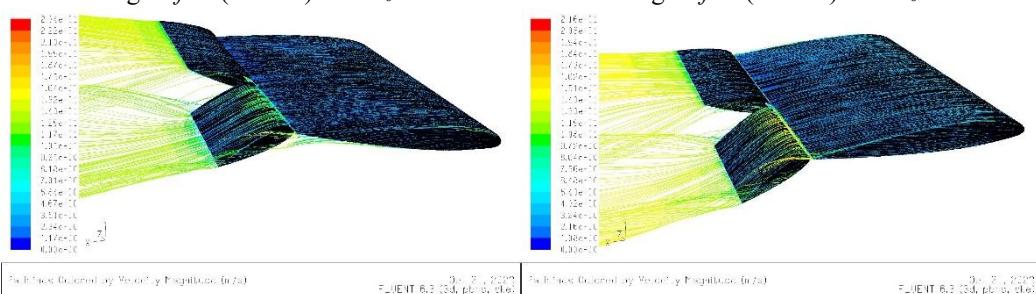
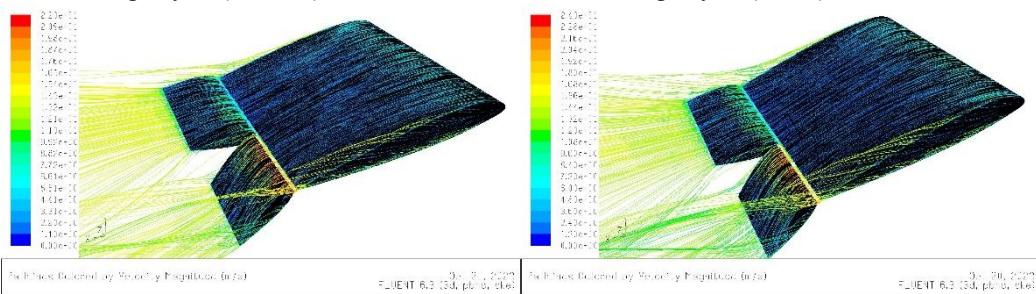
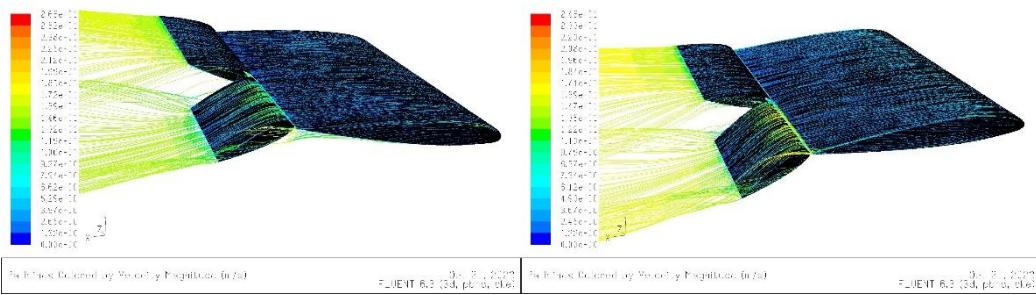
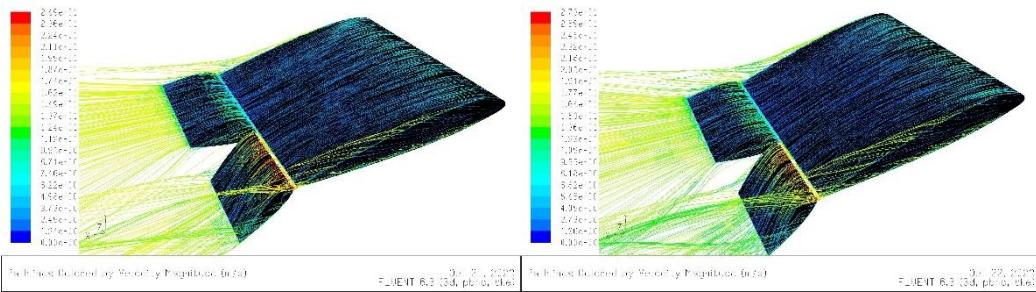
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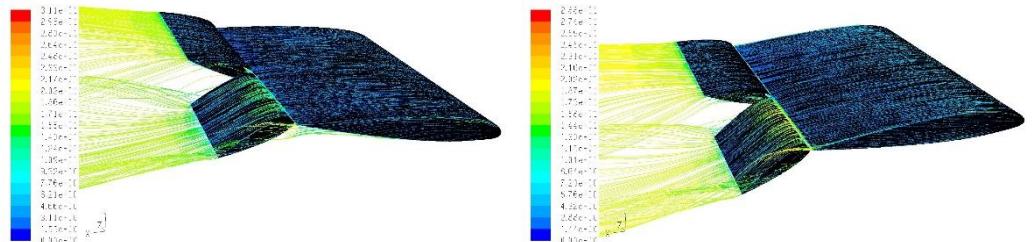
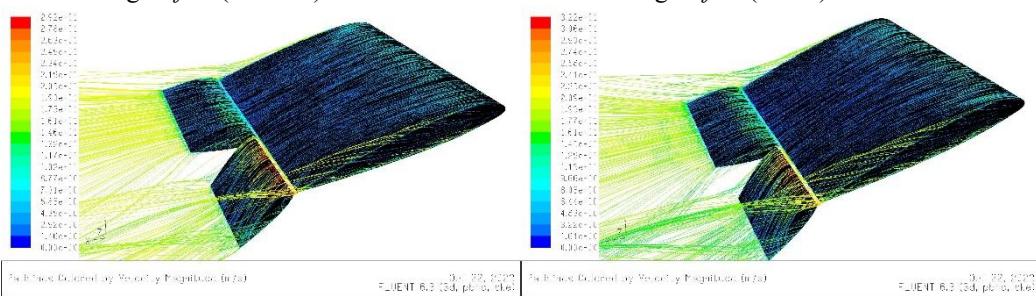
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4. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = -10^\circ$ dan $\delta_k = 30^\circ$

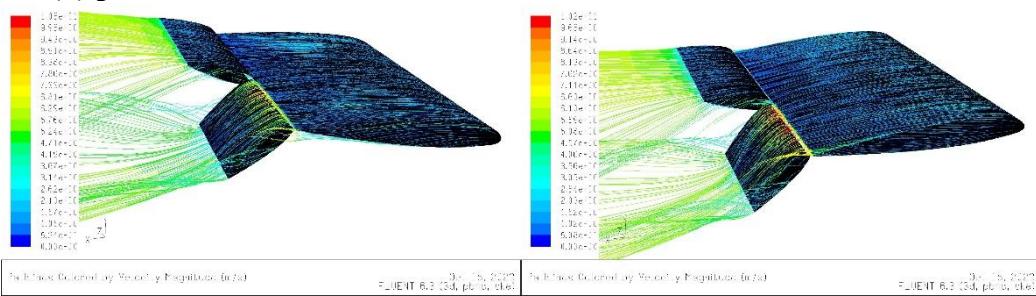
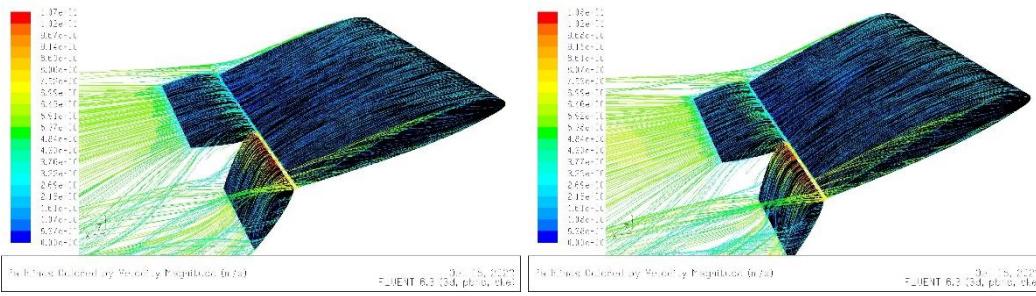
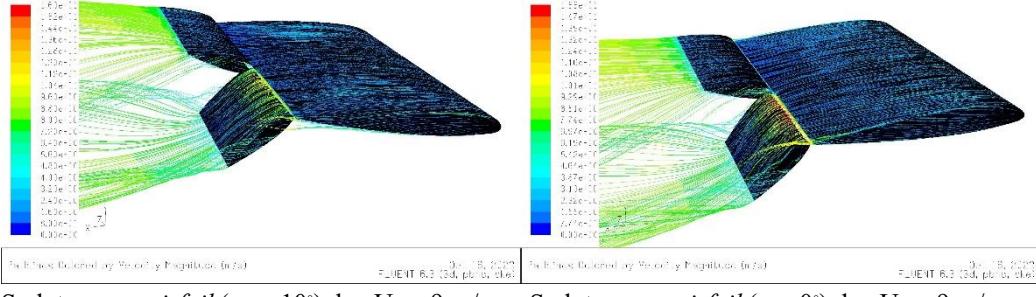


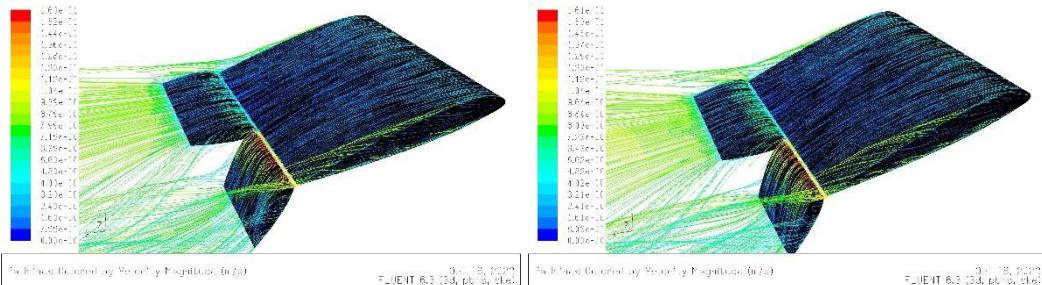
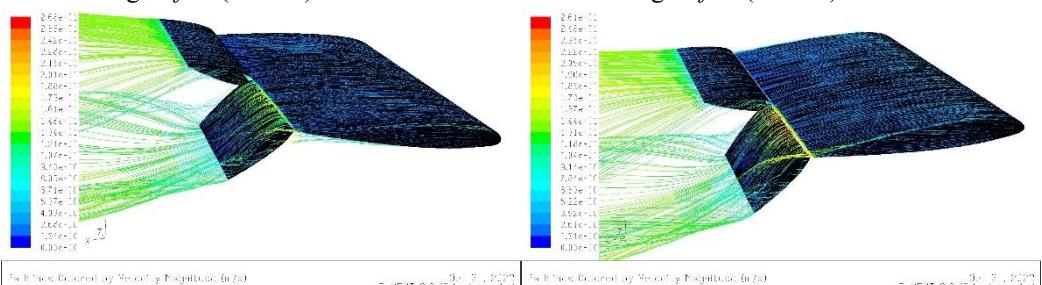
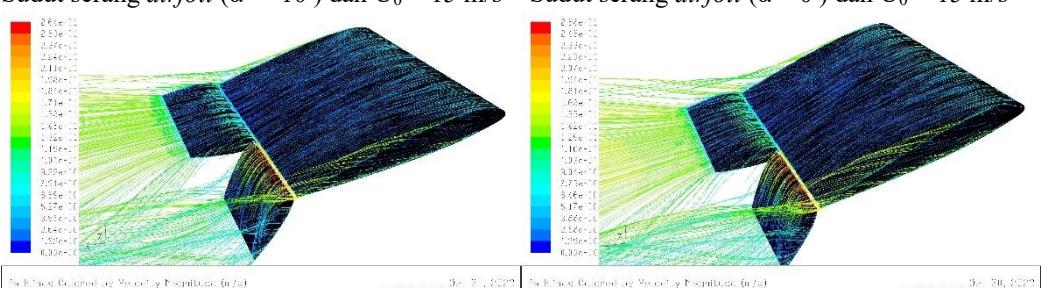
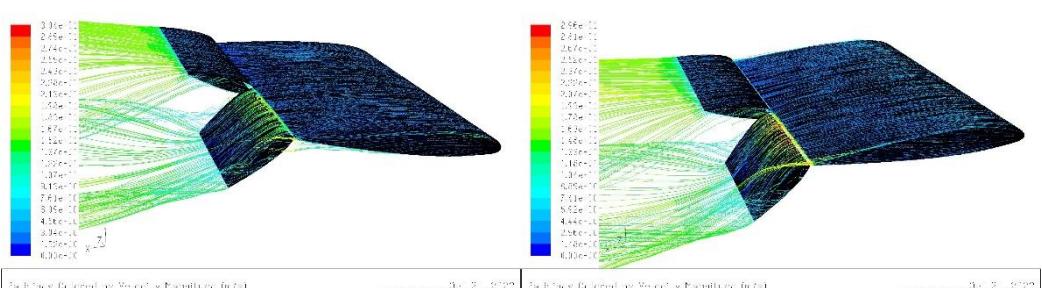
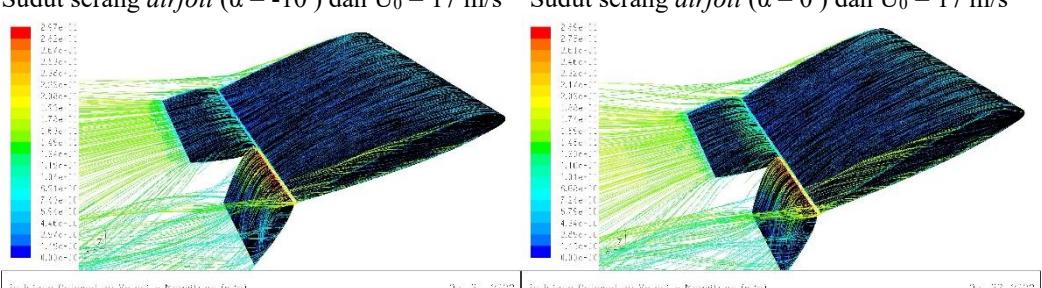
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$

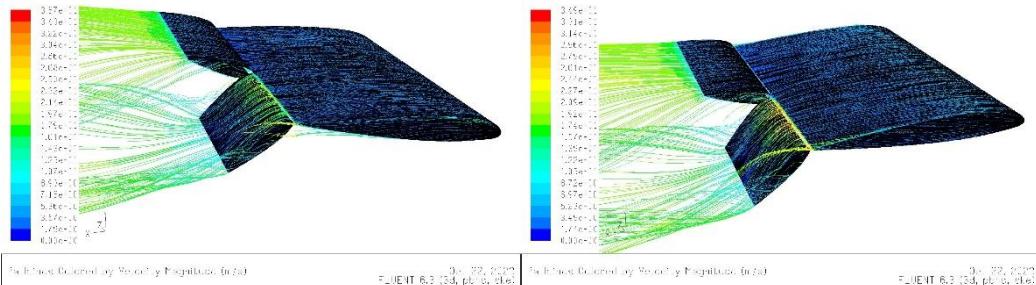
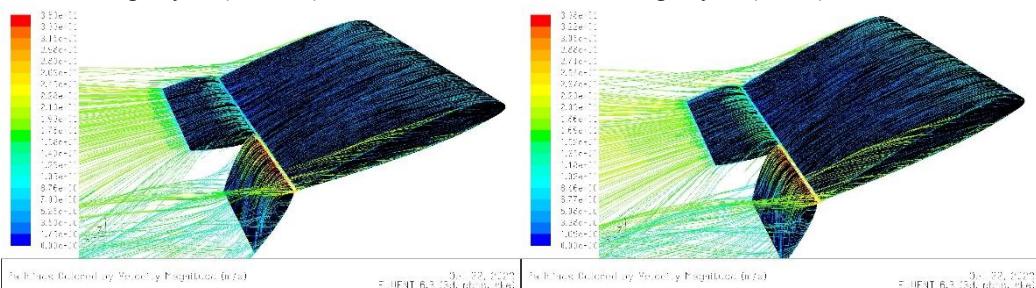
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

5. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil

(a) pada $\delta_u = -10^\circ$ dan $\delta_k = 45^\circ$

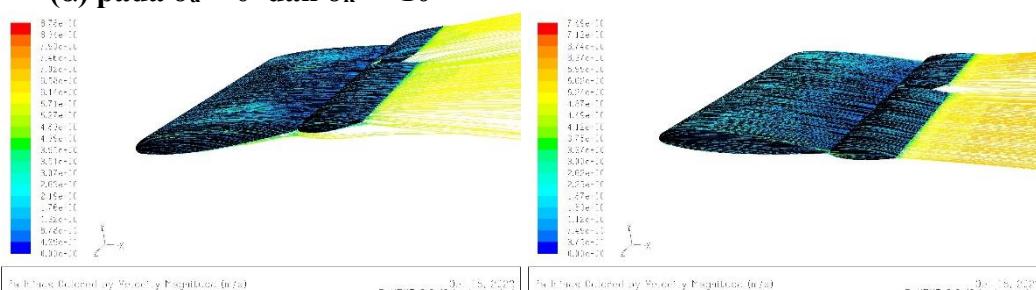
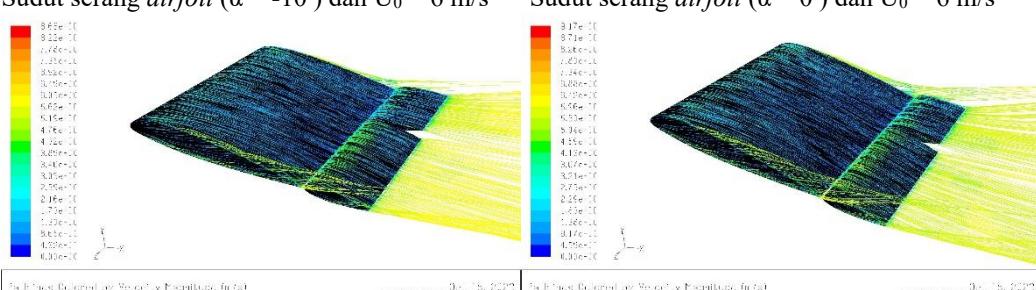
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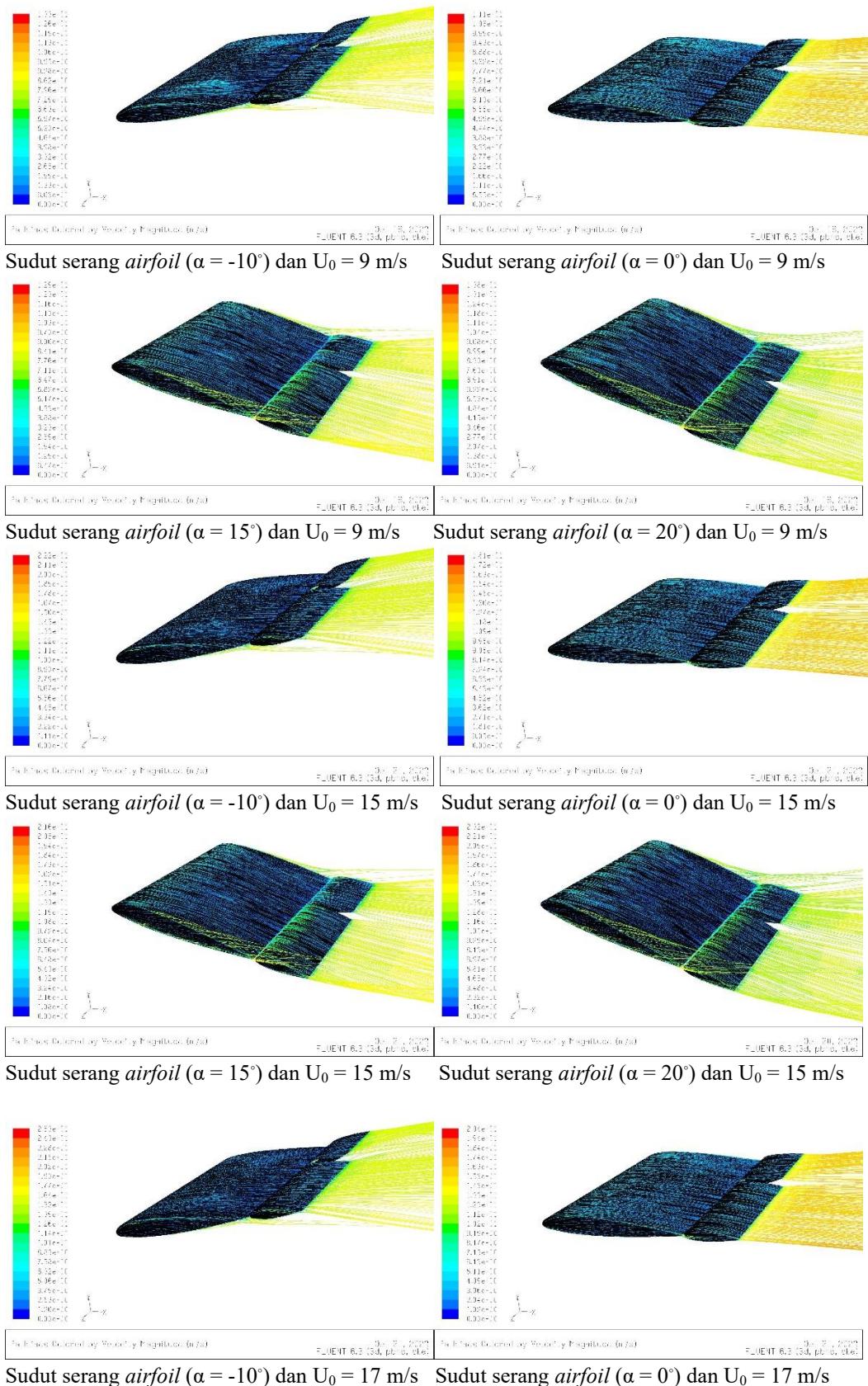
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$

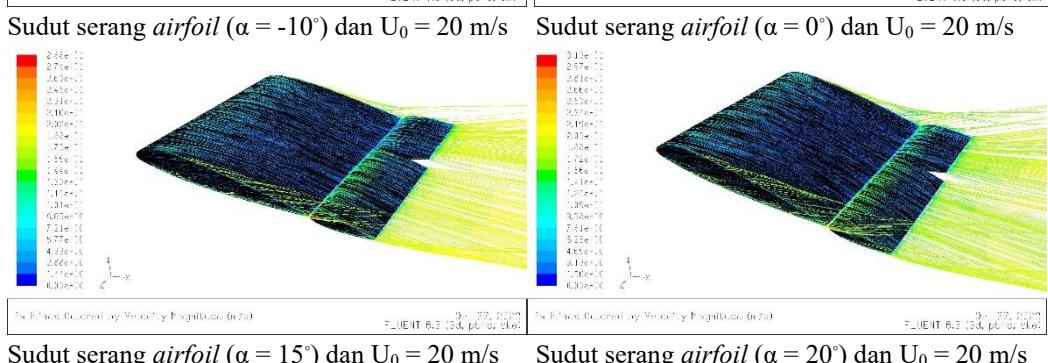
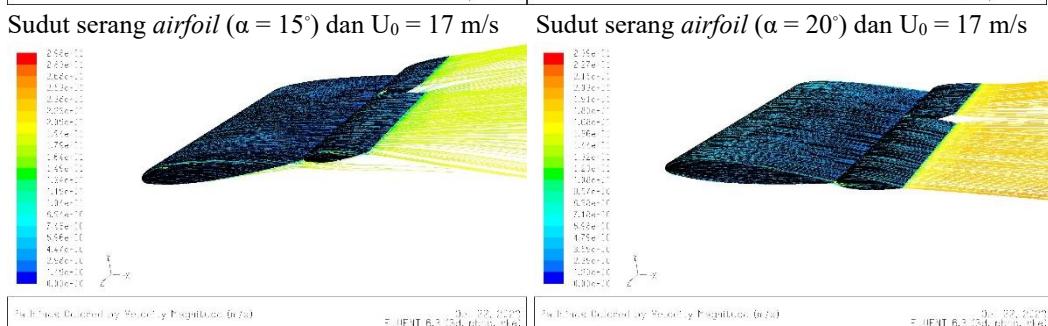
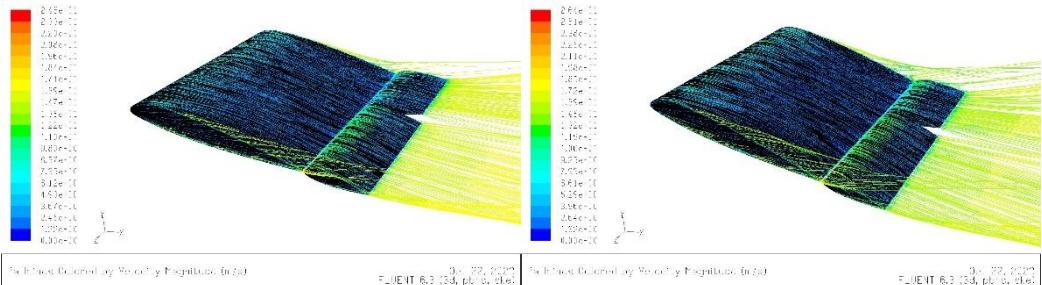
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

6. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil

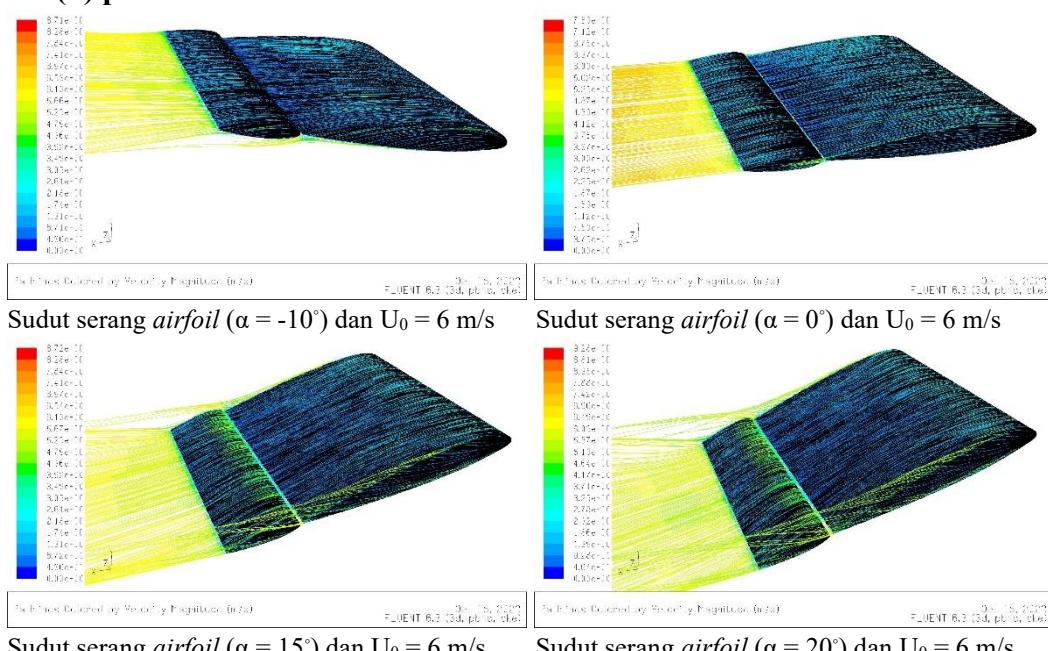
(a) pada $\delta_u = 0^\circ$ dan $\delta_k = -10^\circ$

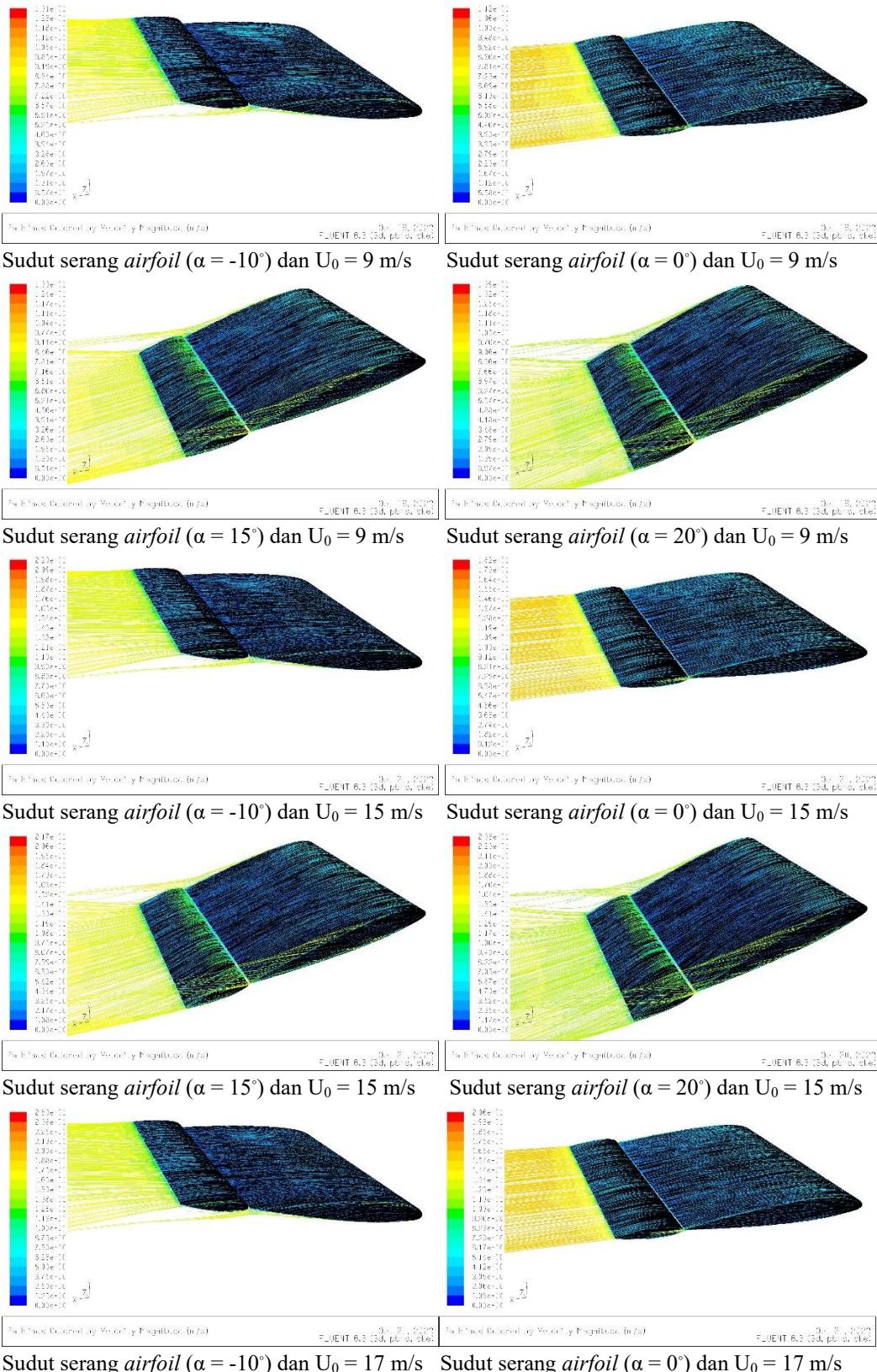
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$

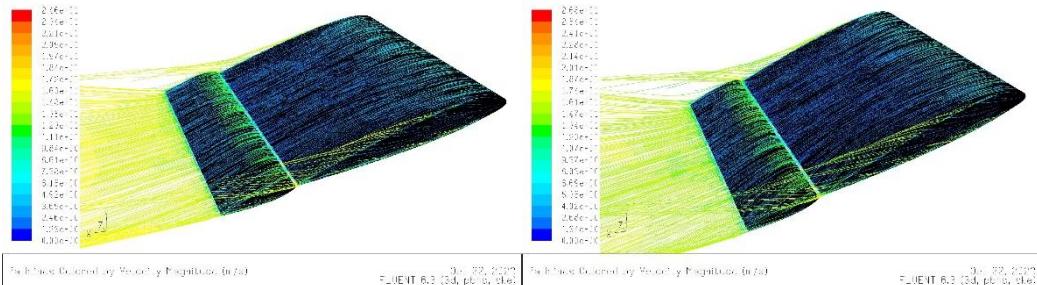




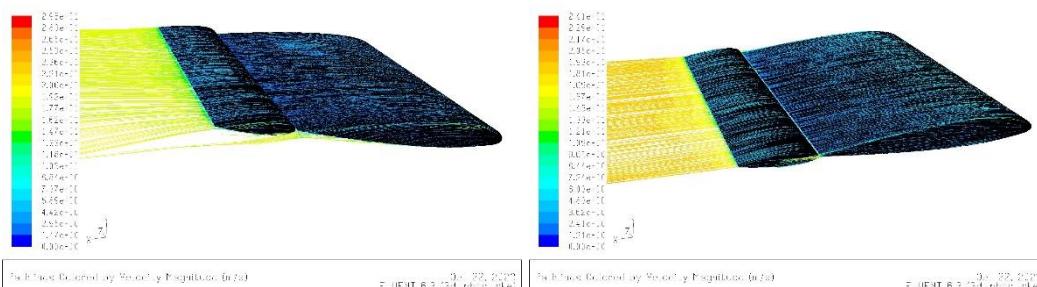
7. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 0^\circ$ dan $\delta_k = 0^\circ$



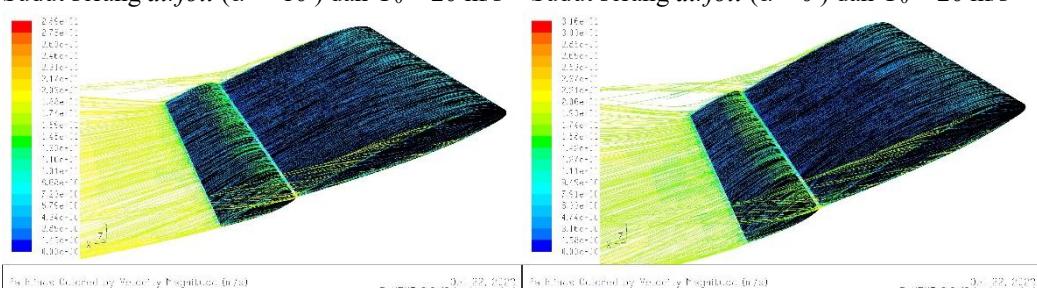




Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$

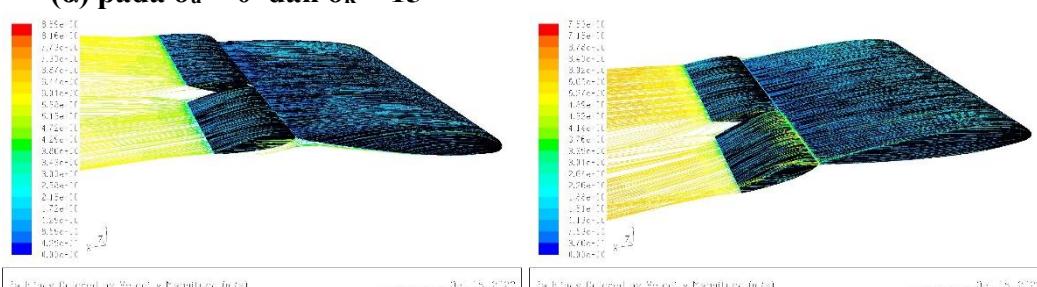


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$

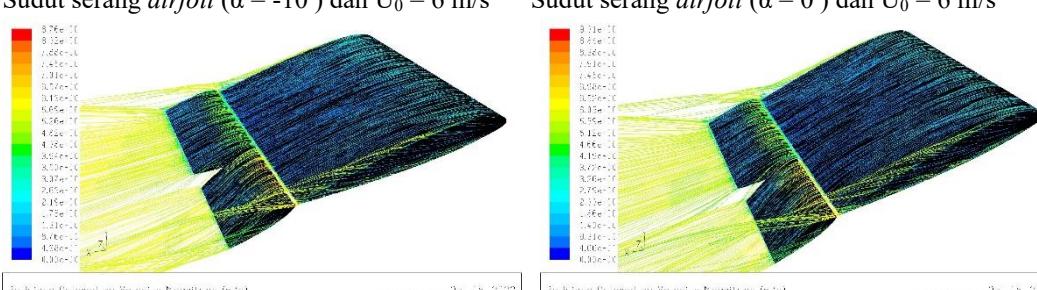


Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

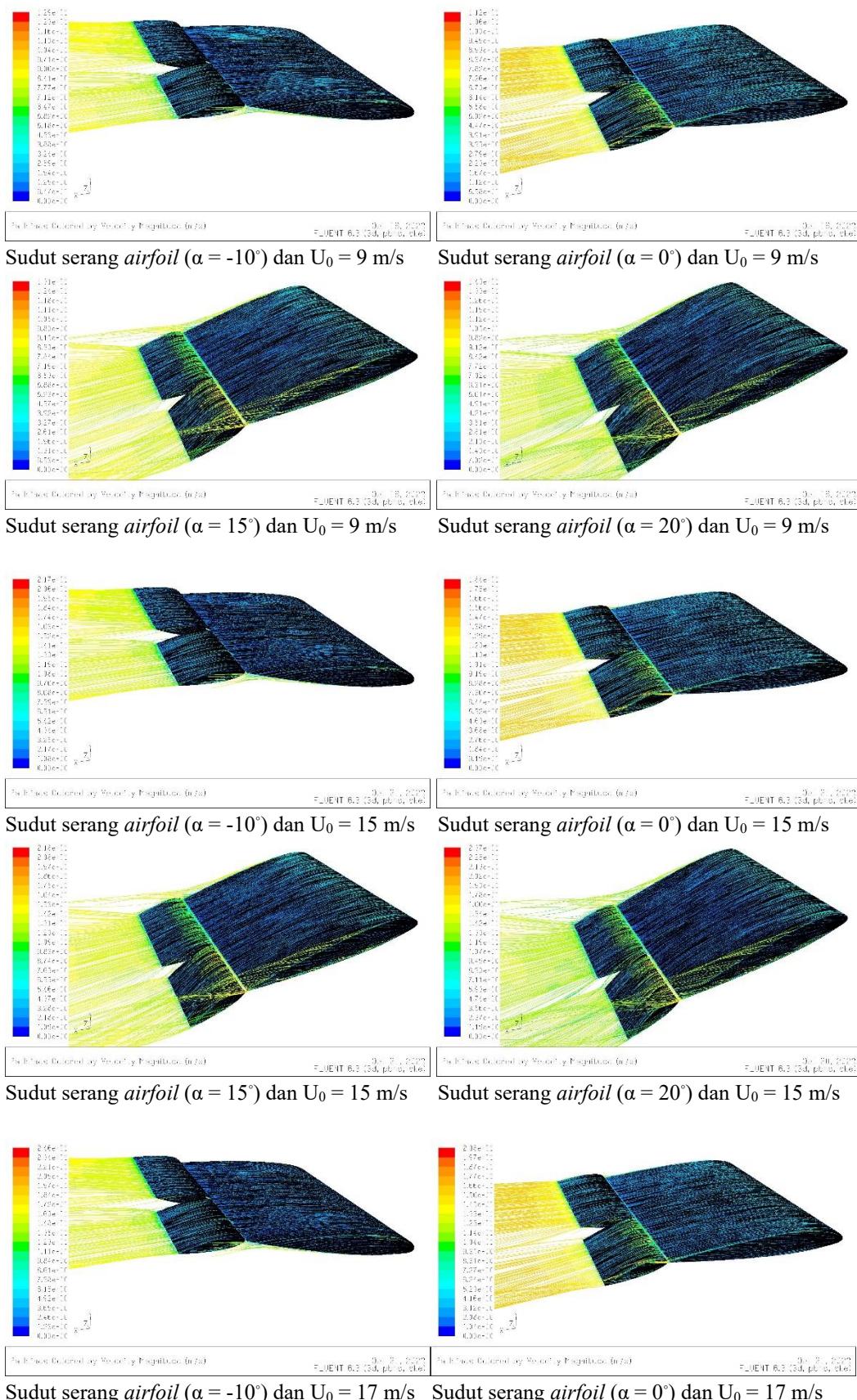
8. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 0^\circ$ dan $\delta_k = 15^\circ$

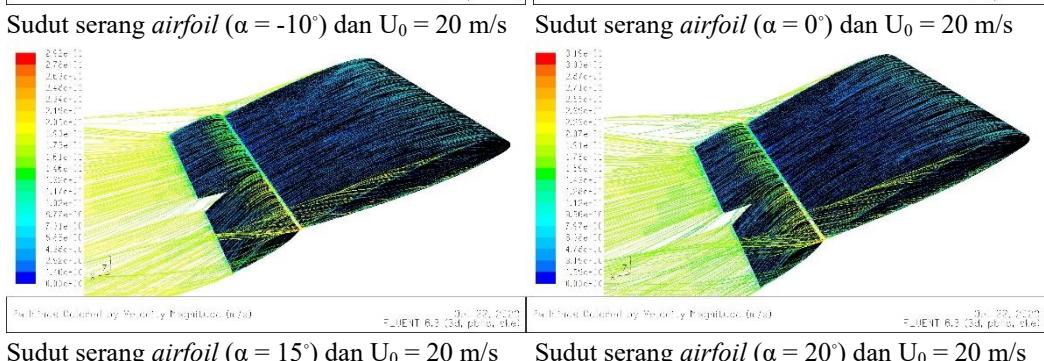
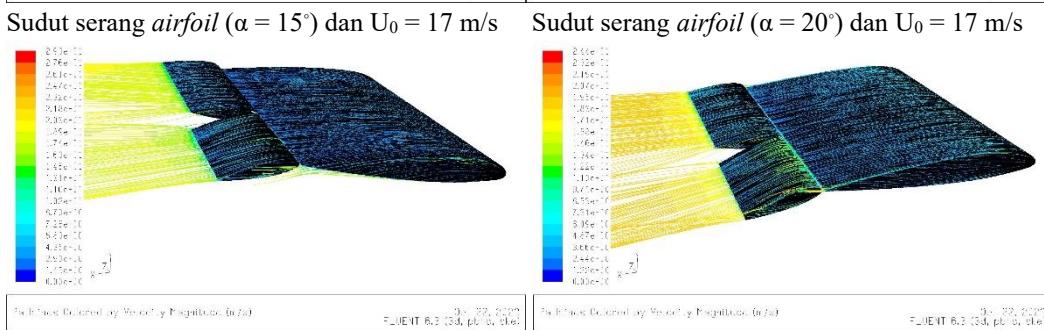
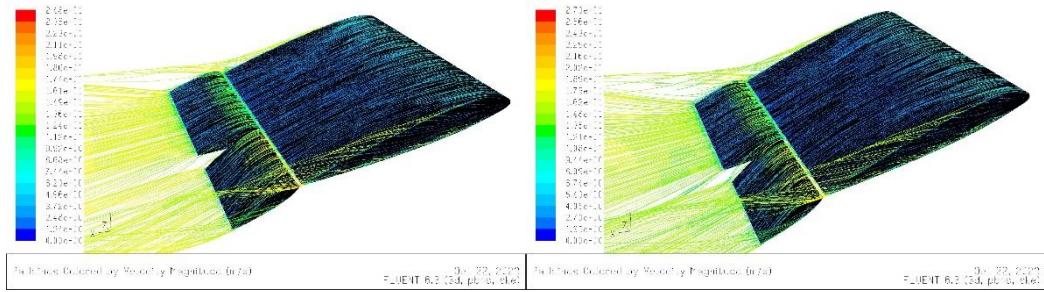


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

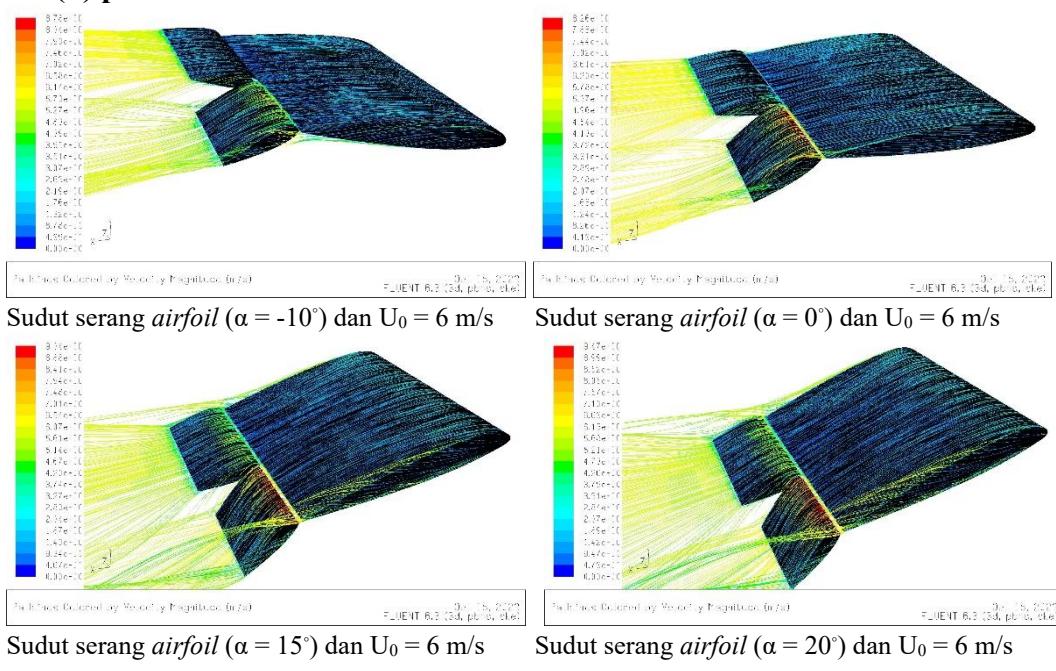


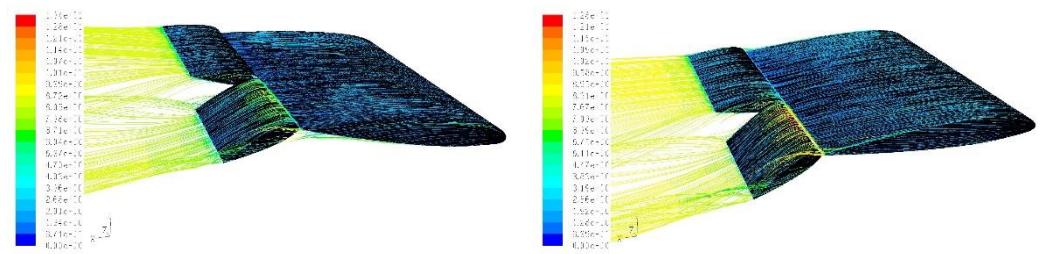
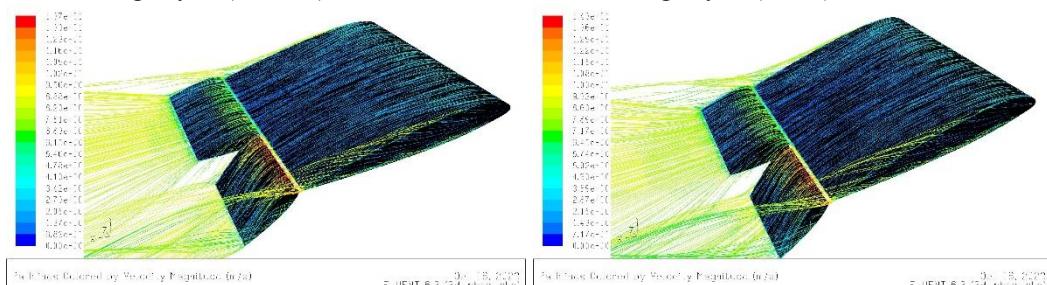
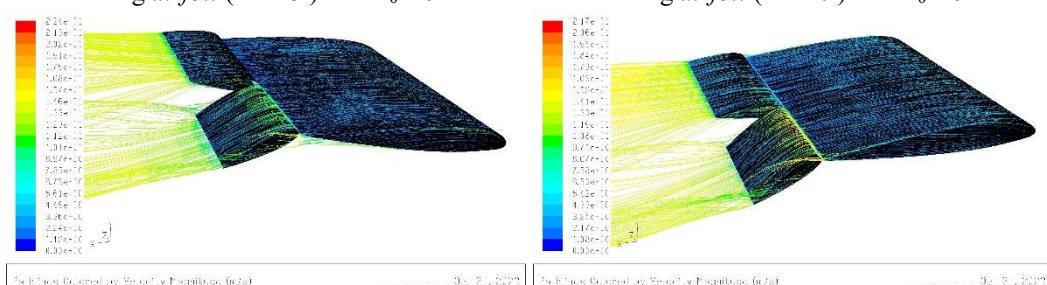
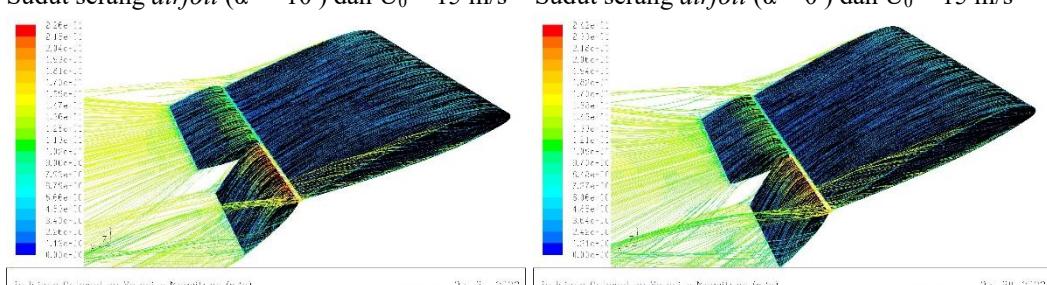
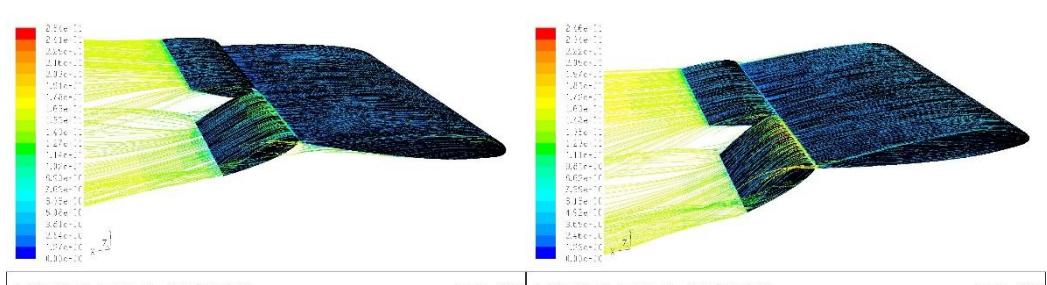
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$

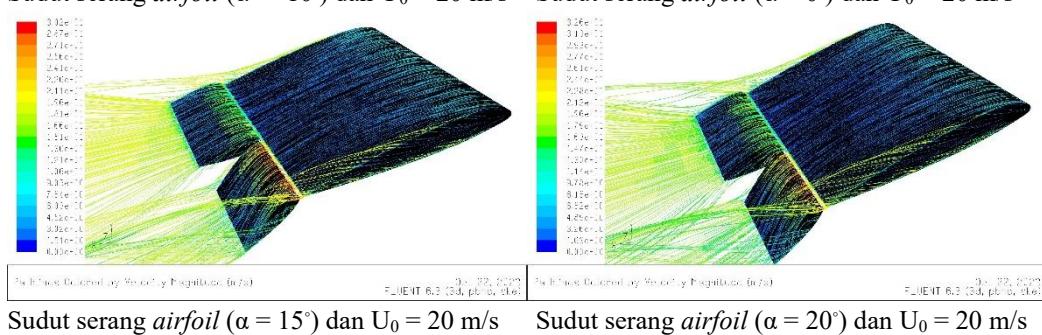
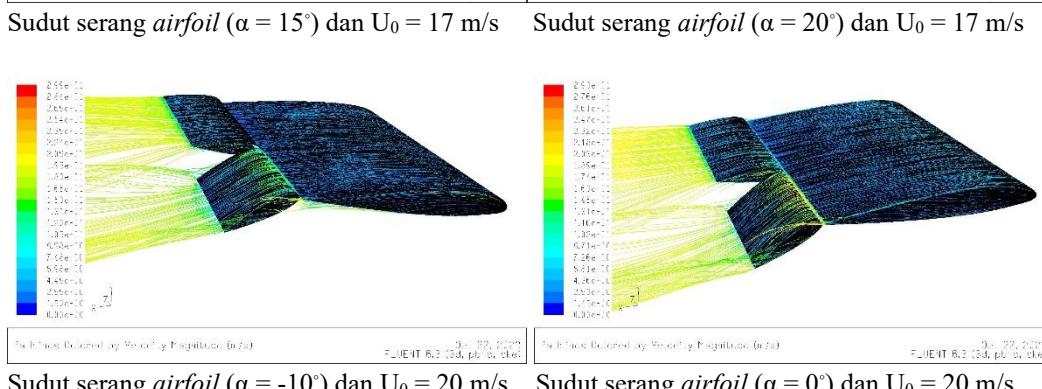
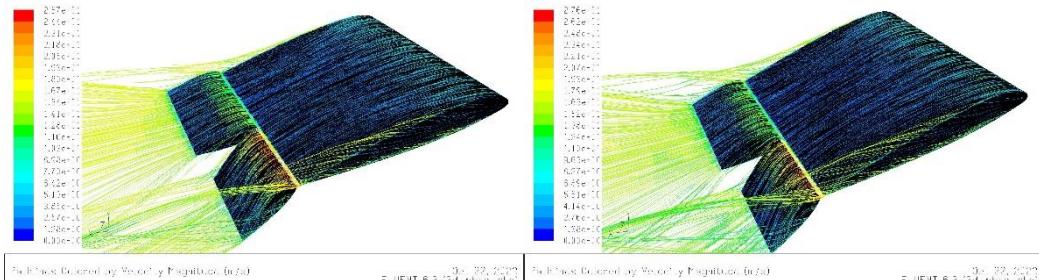




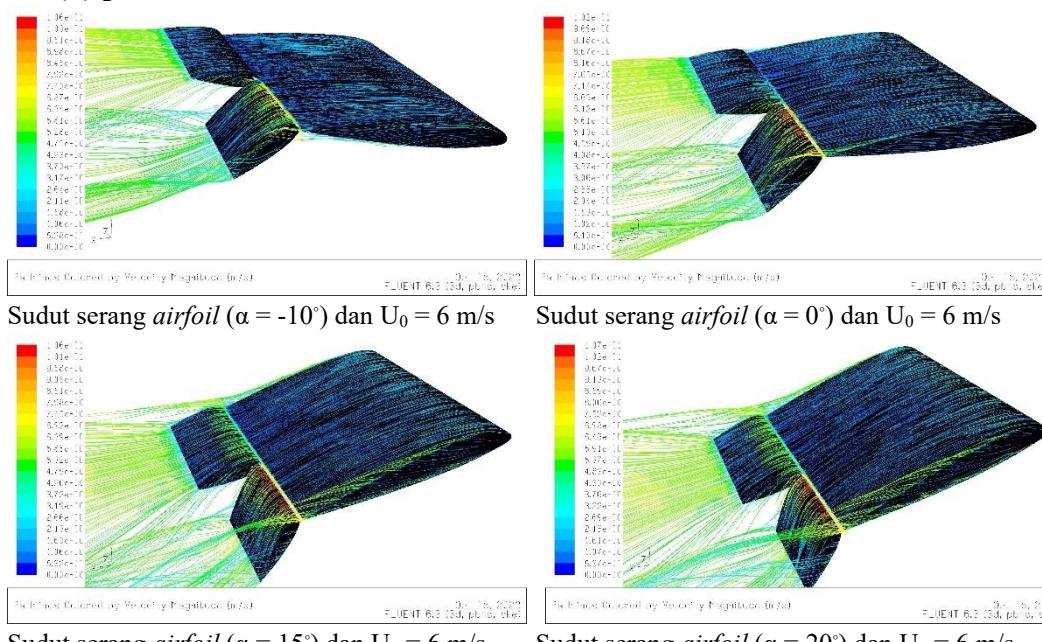
9. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 0^\circ$ dan $\delta_k = 30^\circ$

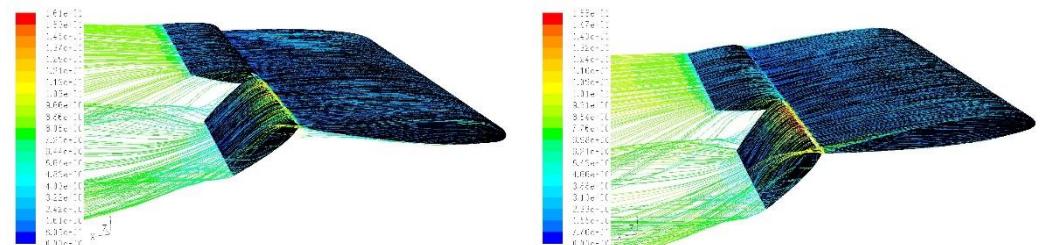
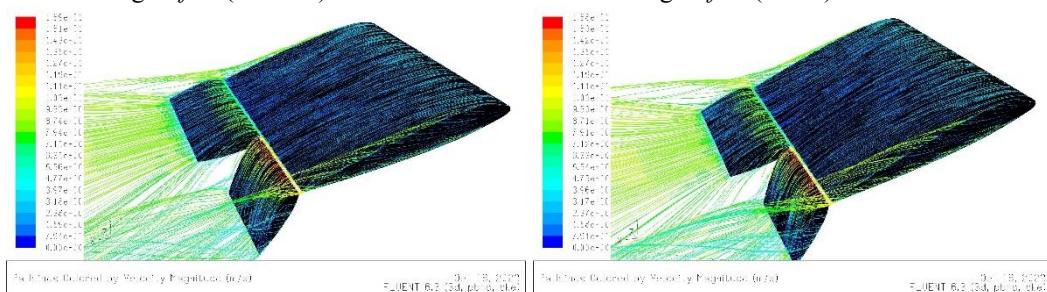
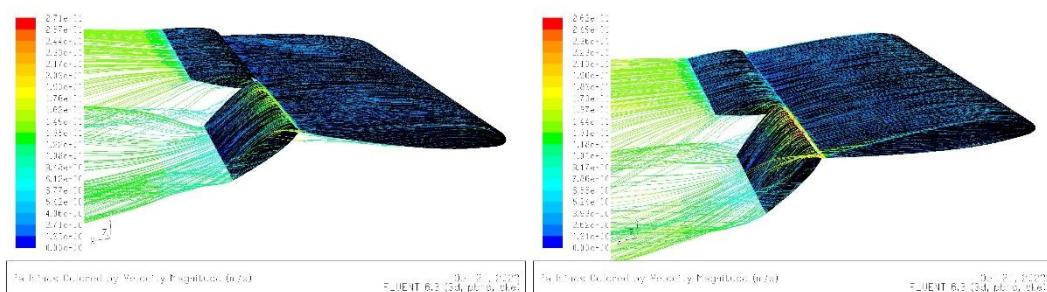
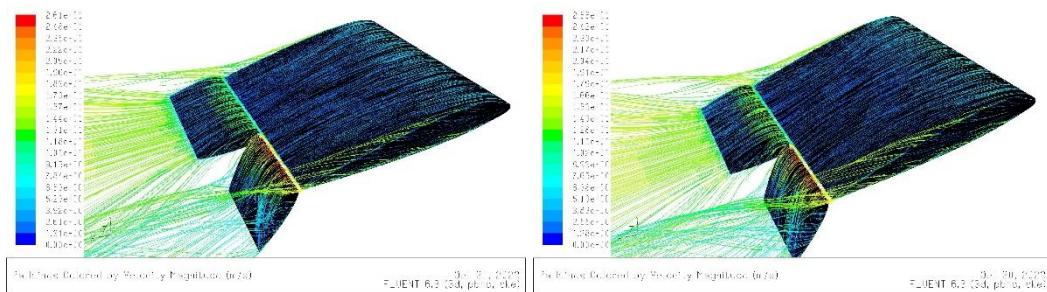
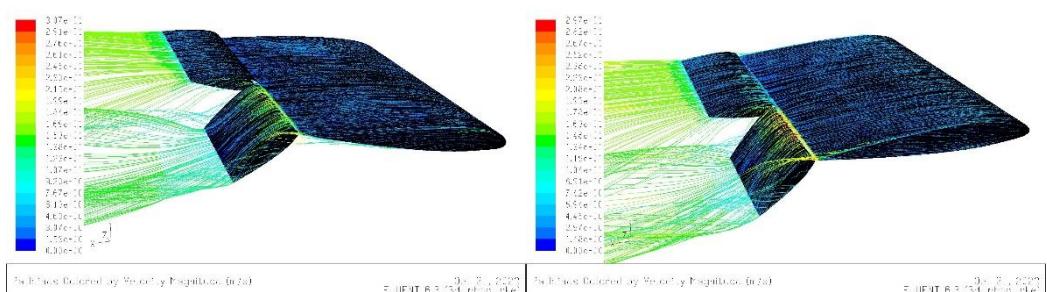


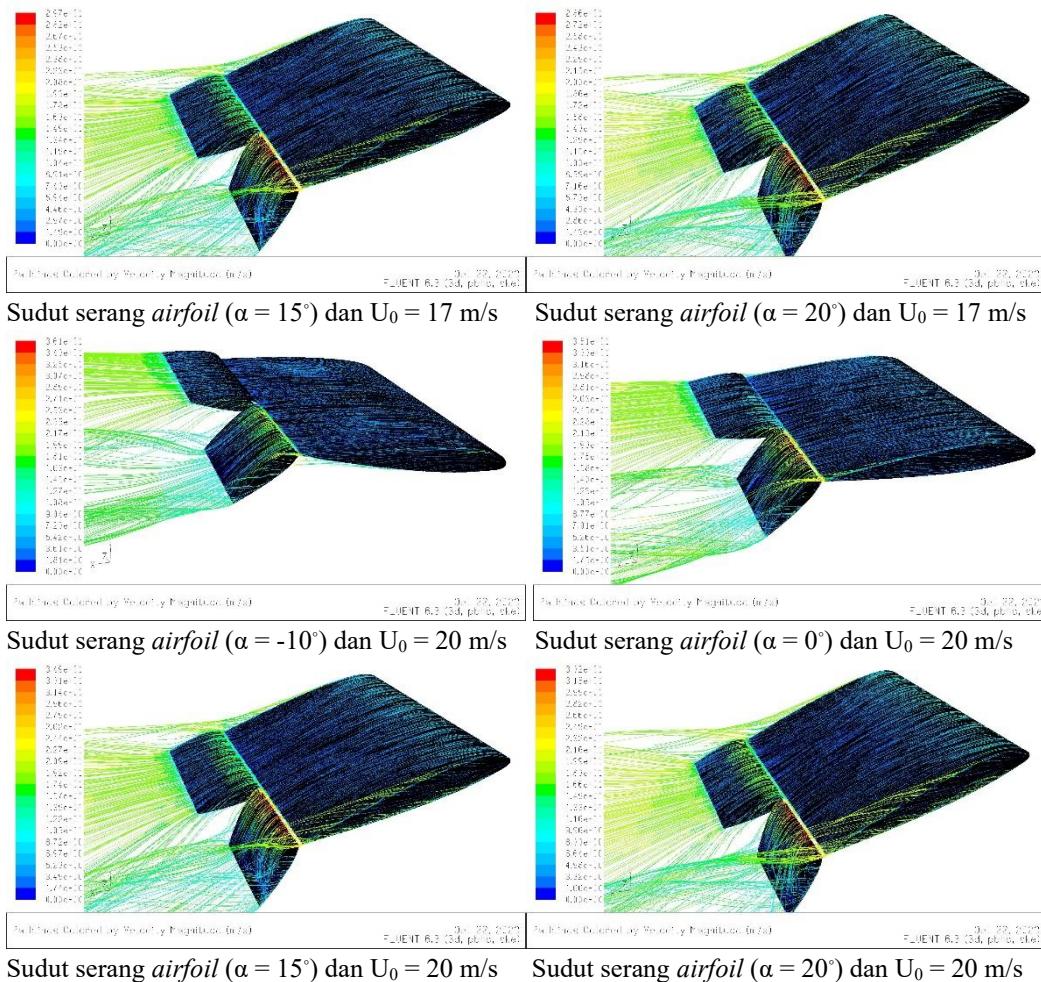
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$



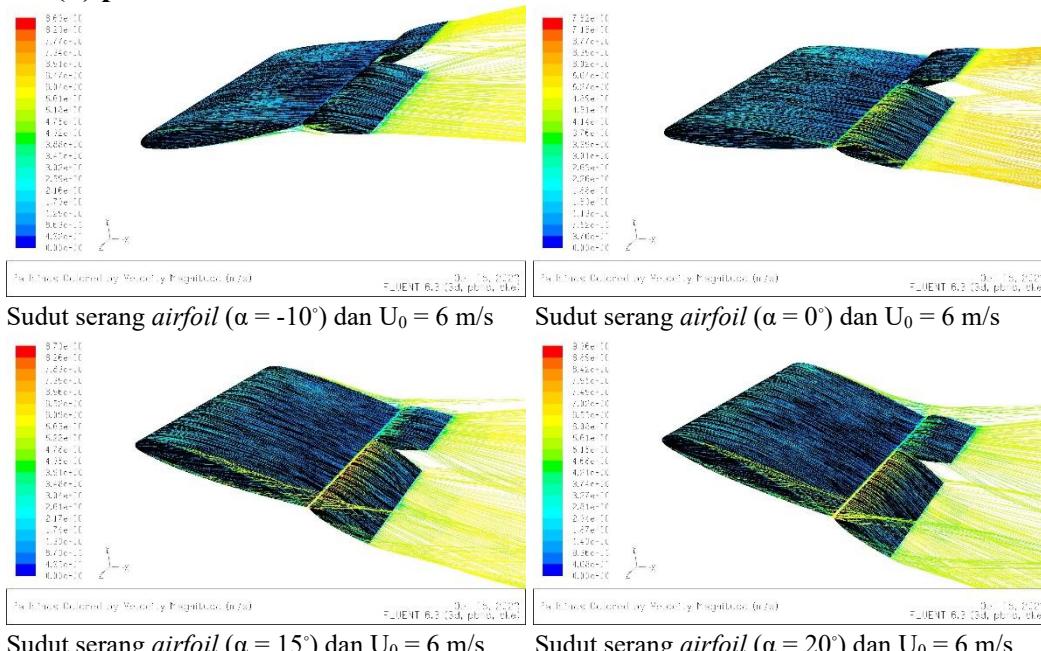
10. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 0^\circ$ dan $\delta_k = 45^\circ$

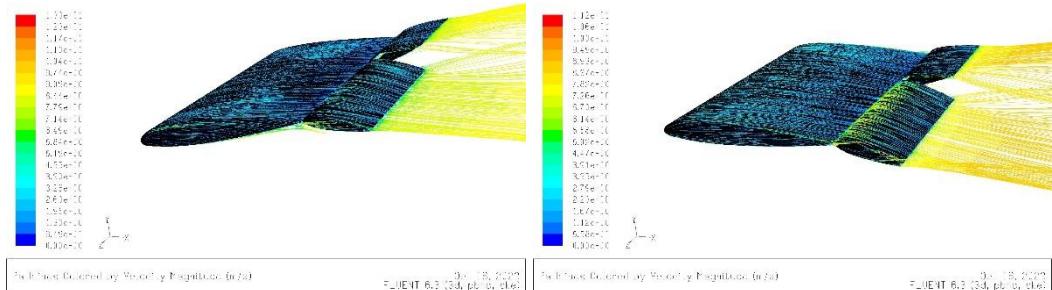
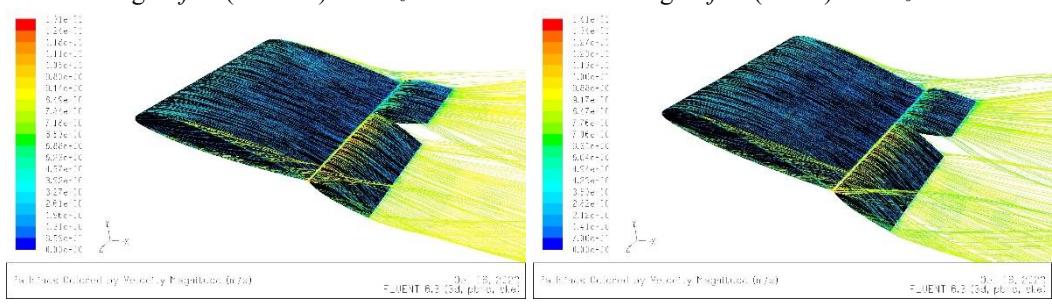
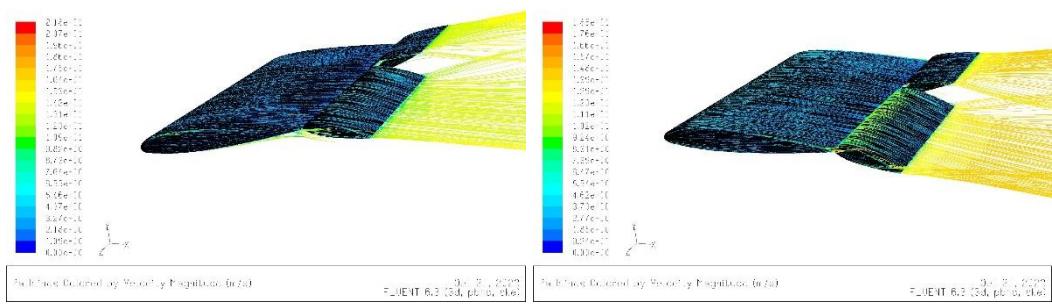
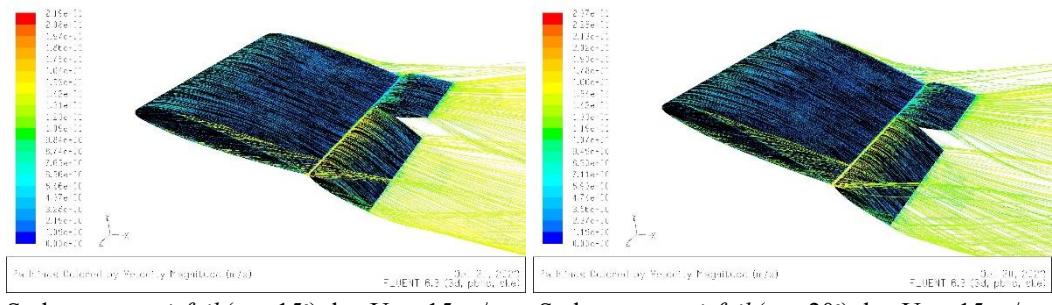
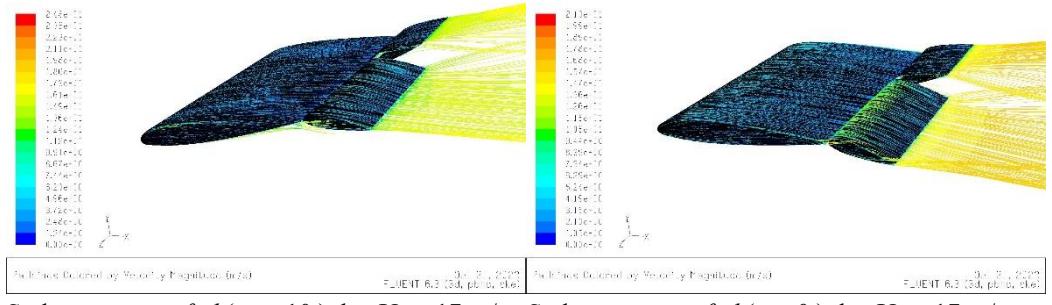


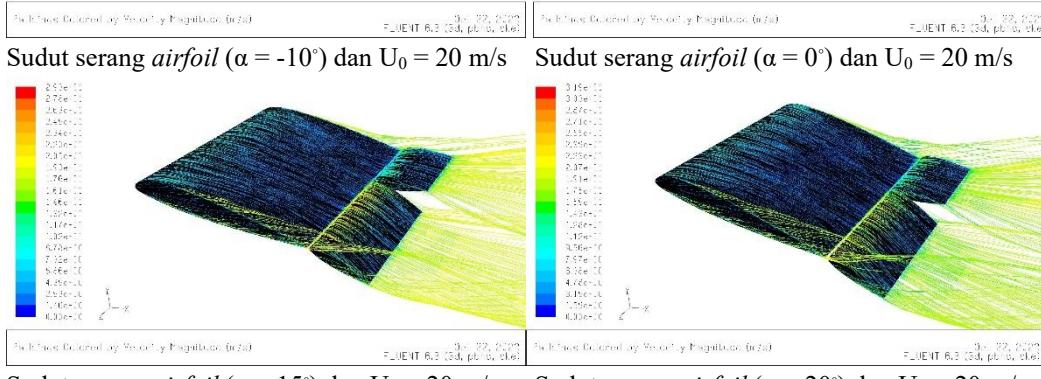
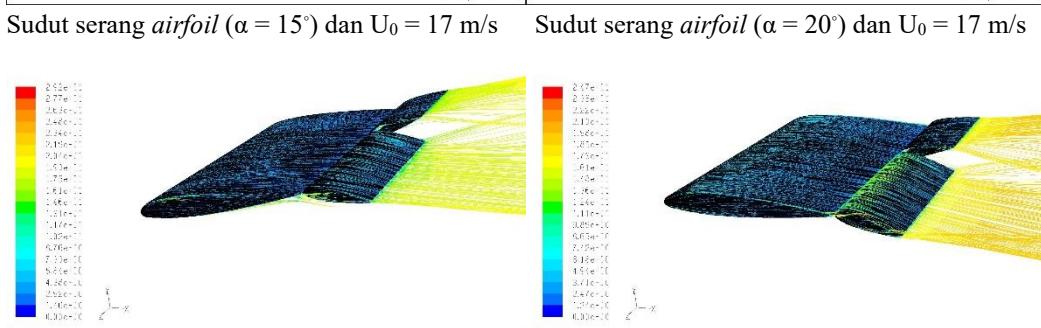
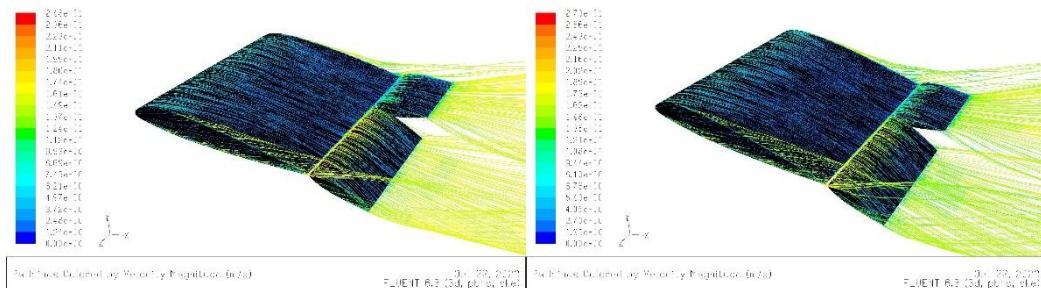
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$



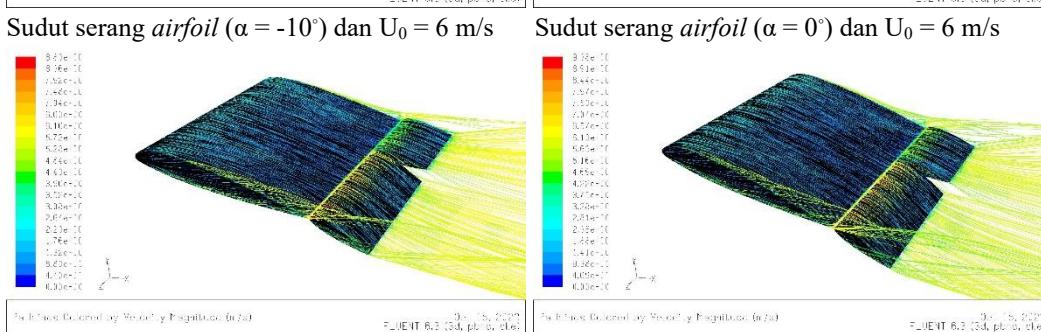
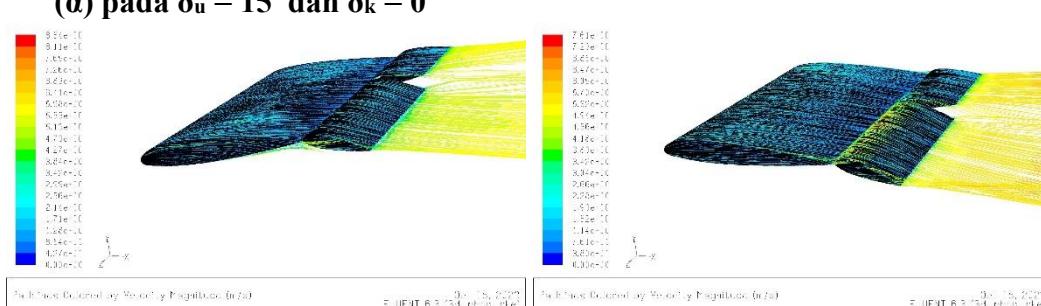
11. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 15^\circ$ dan $\delta_k = -10^\circ$

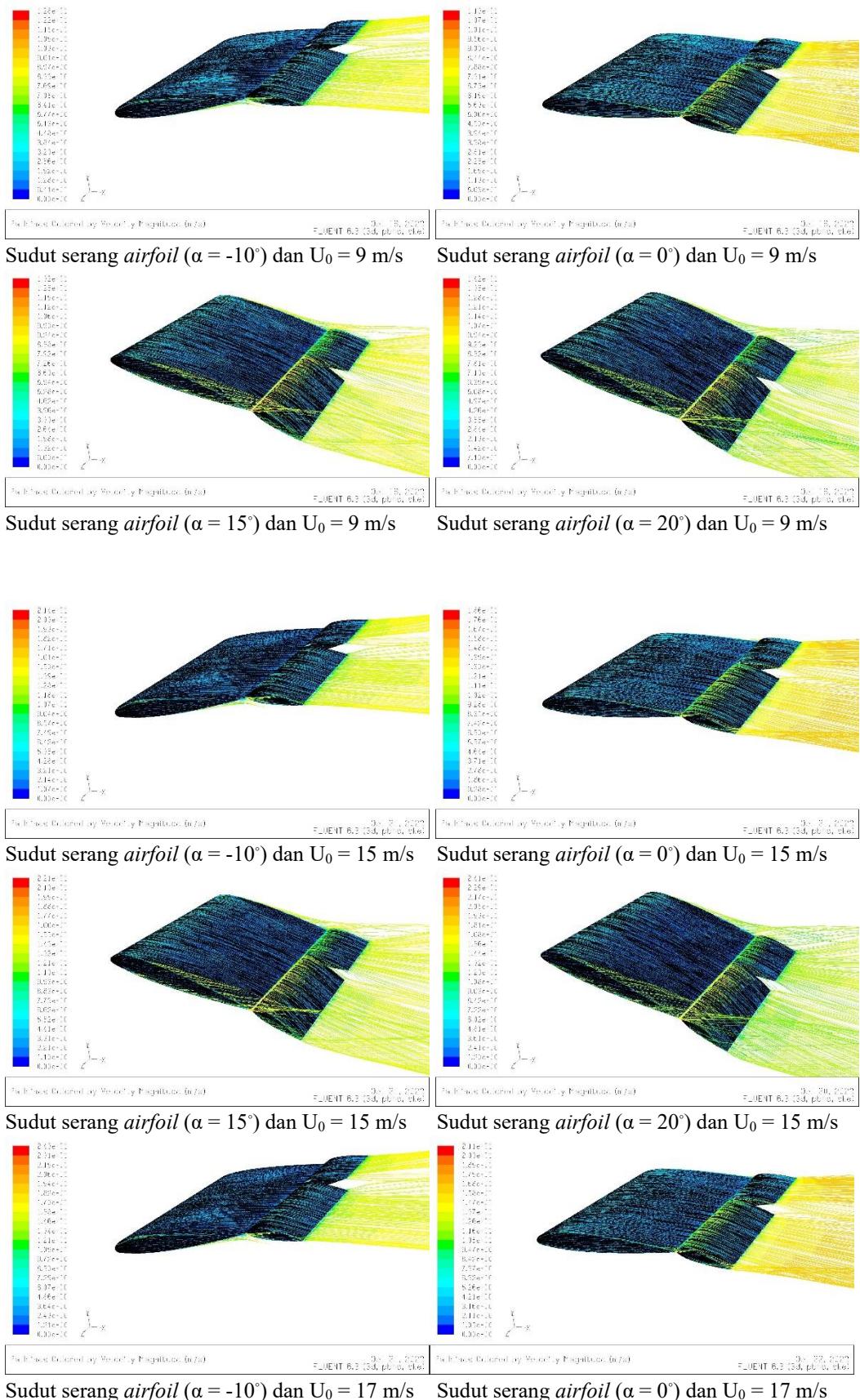


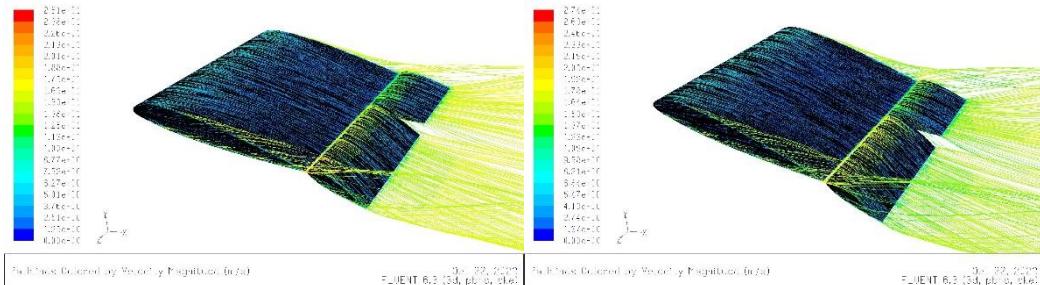
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$



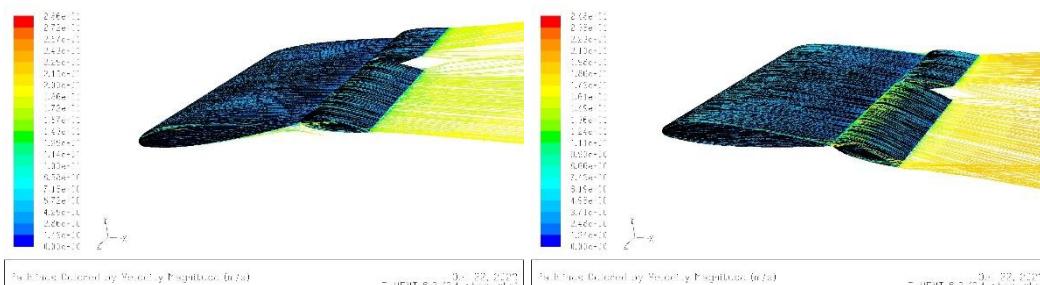
12. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 15^\circ$ dan $\delta_k = 0^\circ$



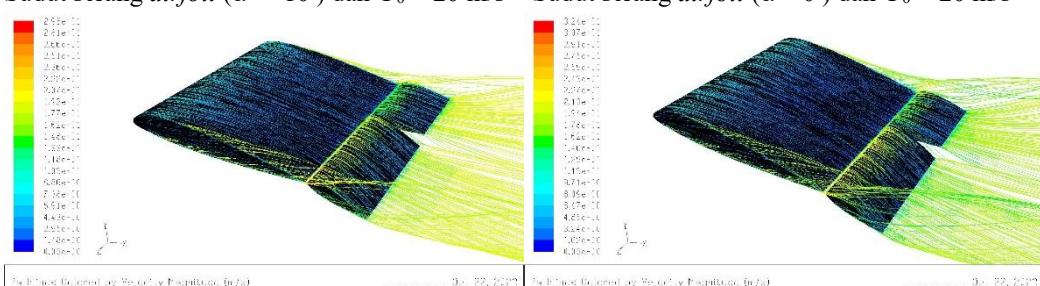




Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$

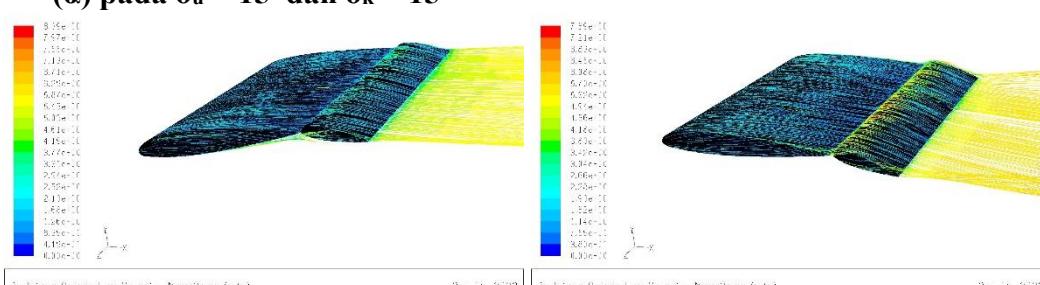


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$

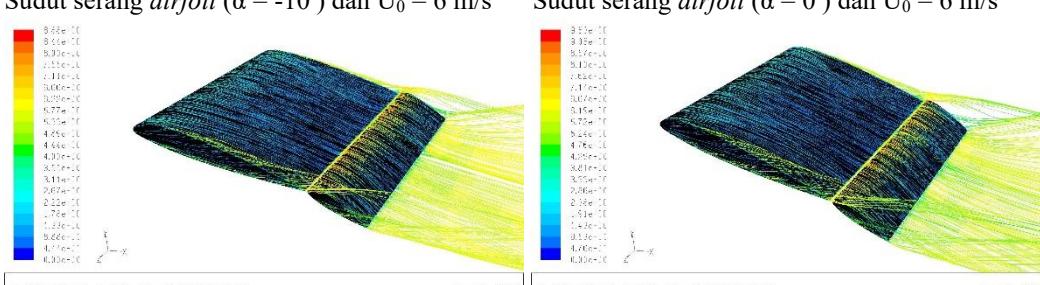


Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

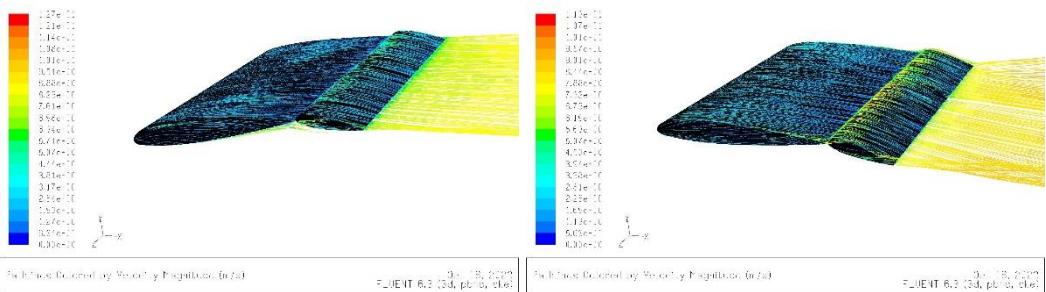
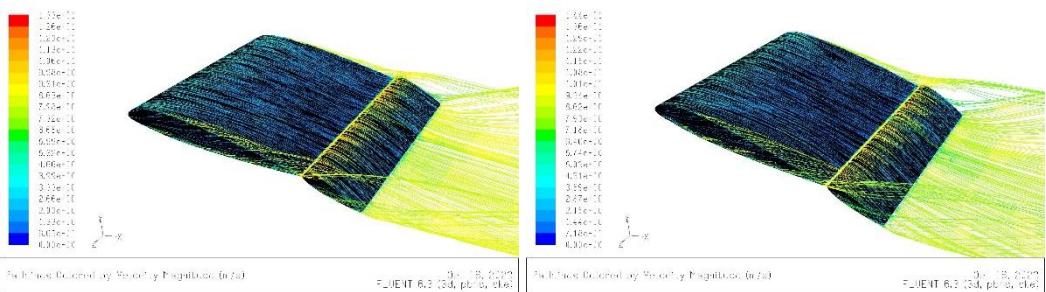
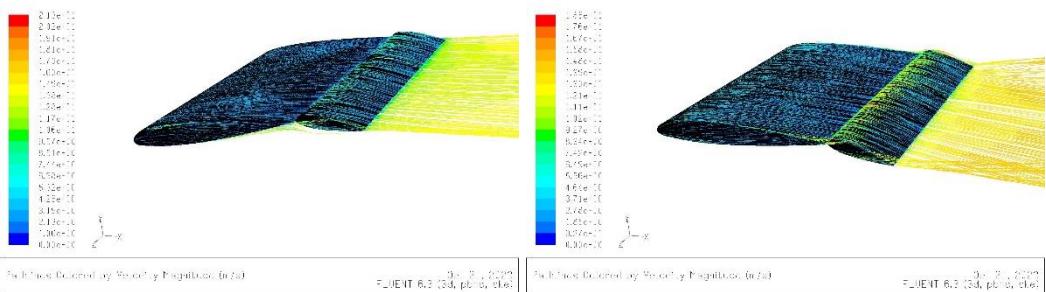
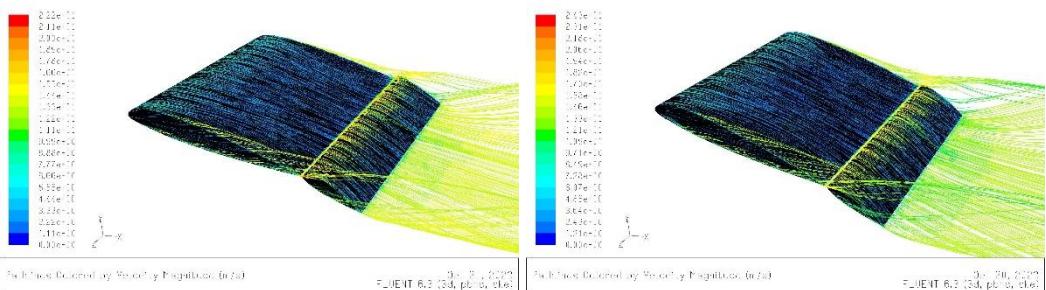
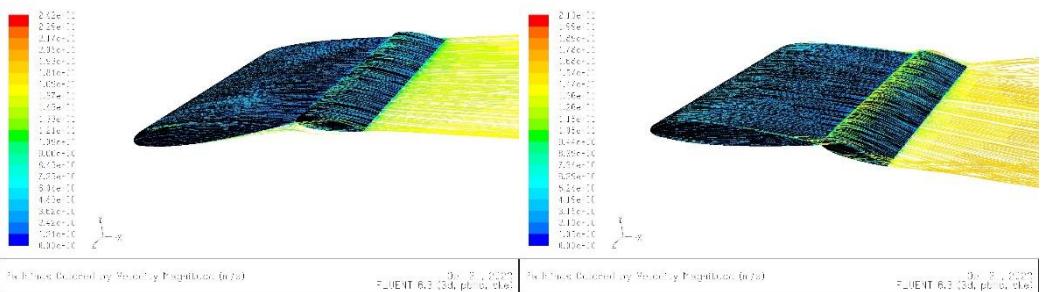
13. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 15^\circ$ dan $\delta_k = 15^\circ$

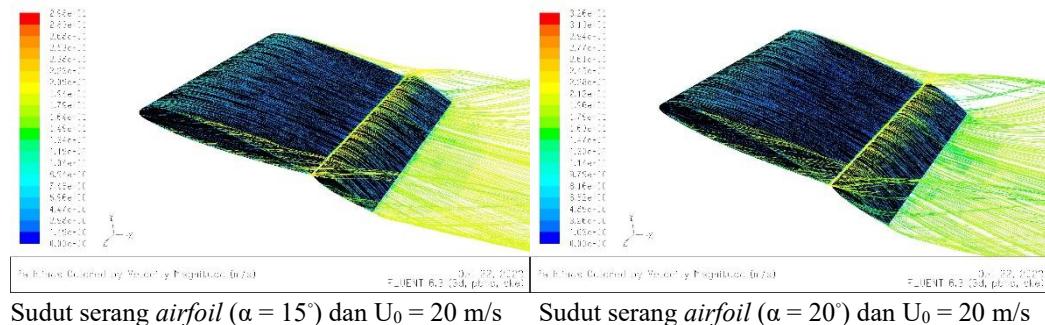
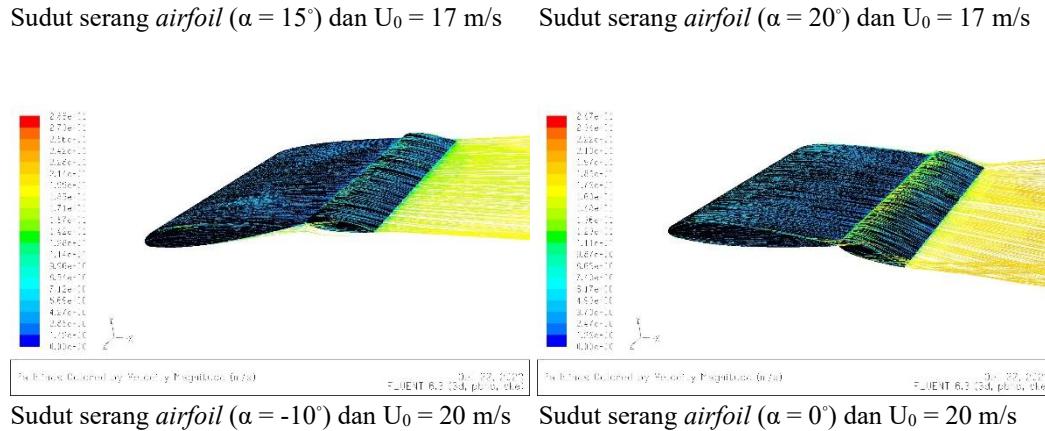
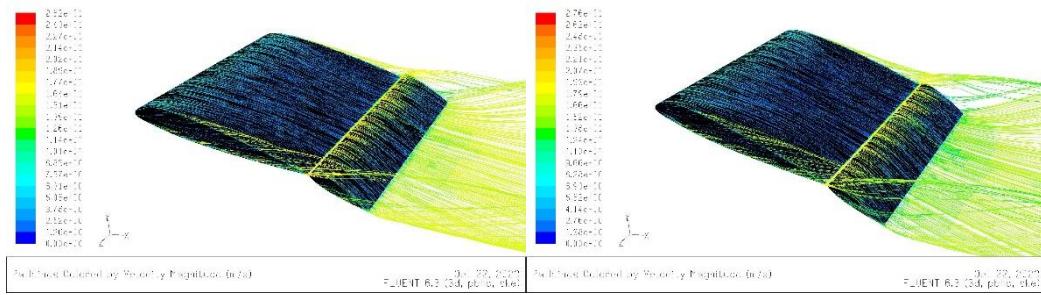


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

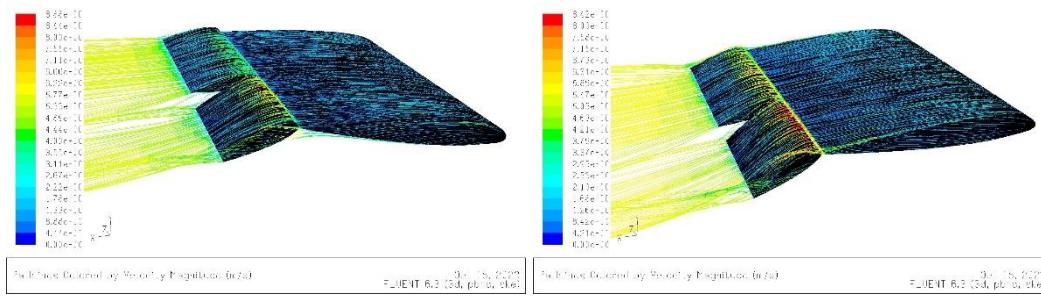


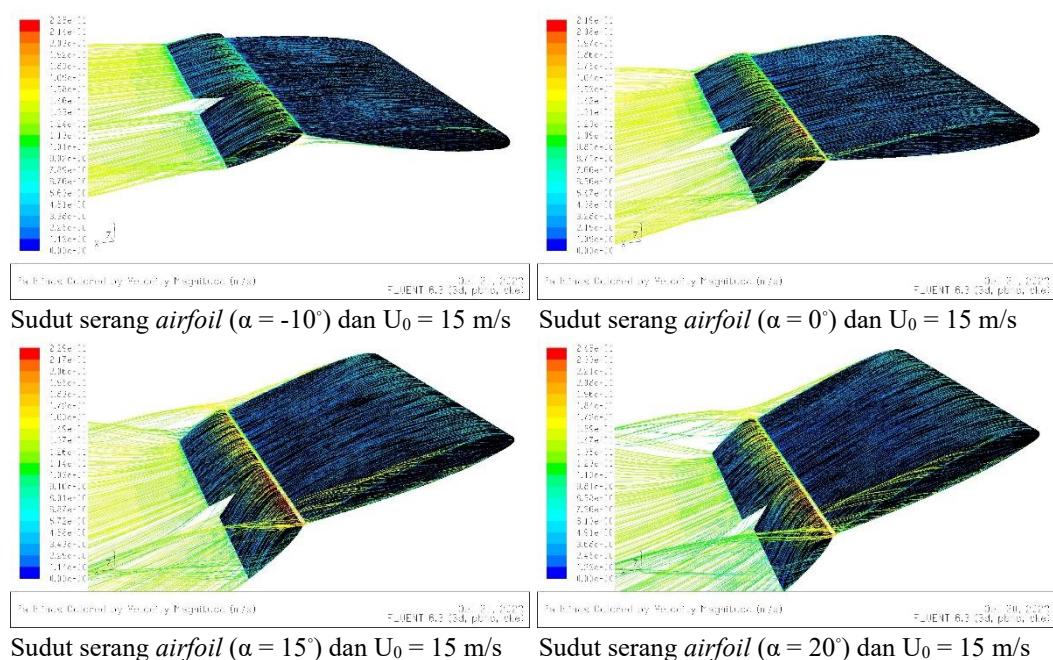
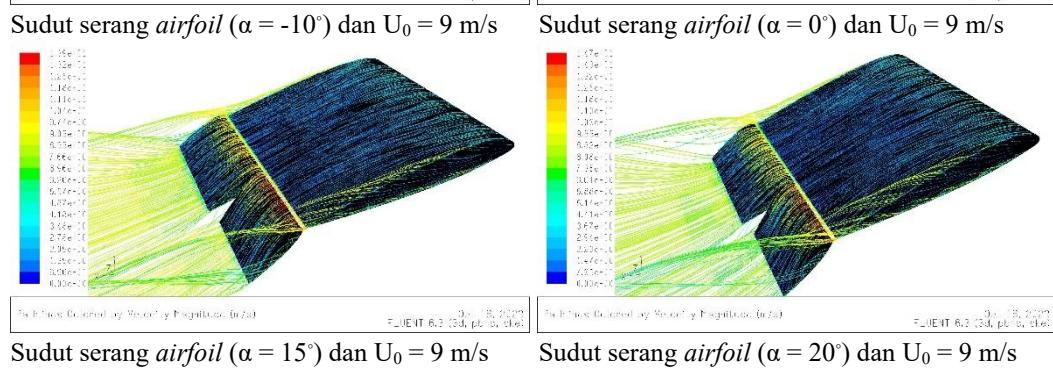
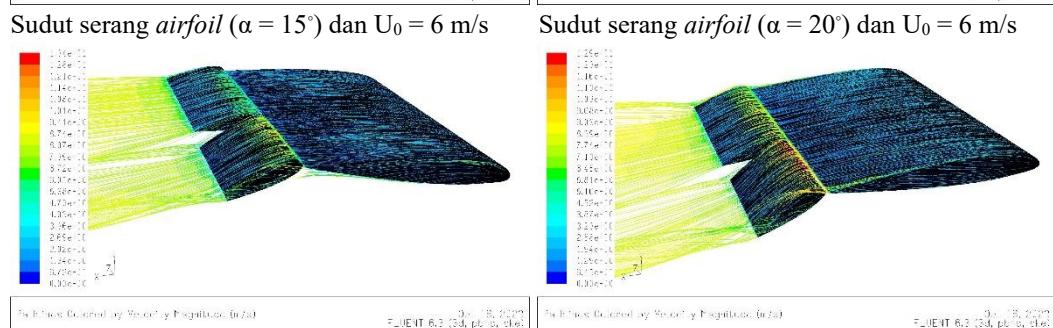
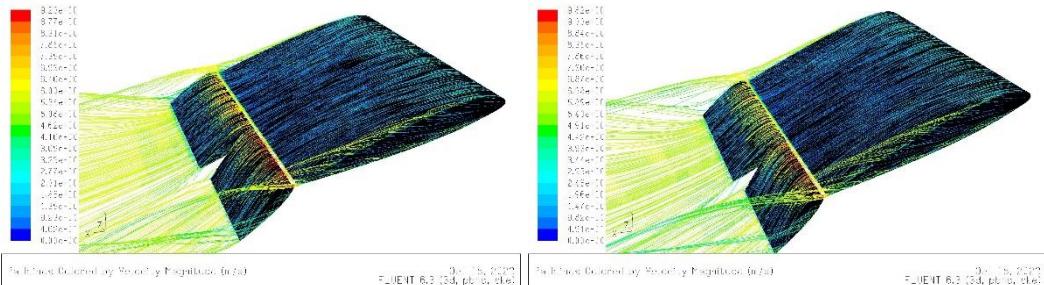
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$

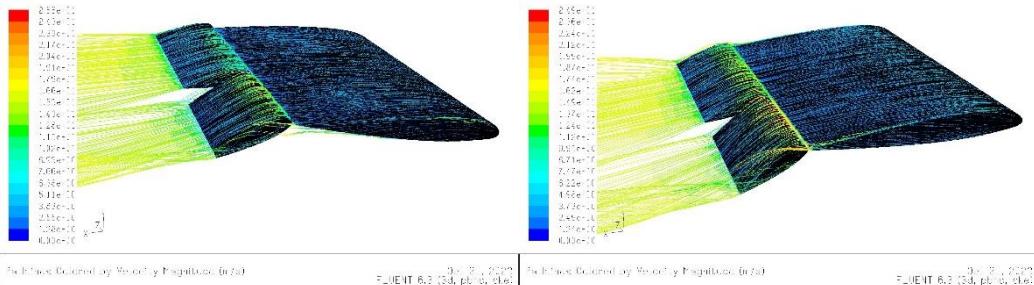
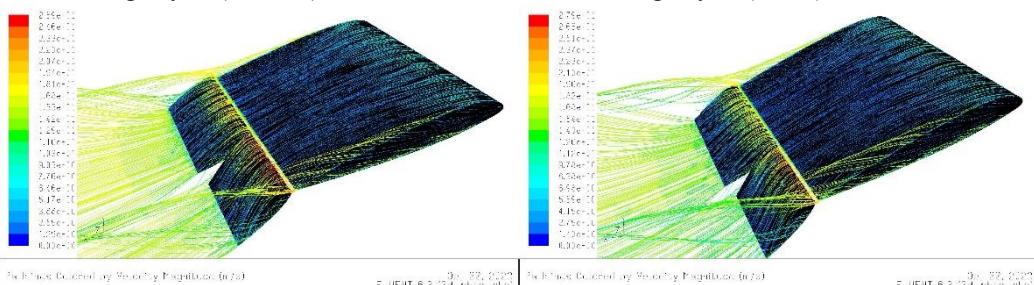
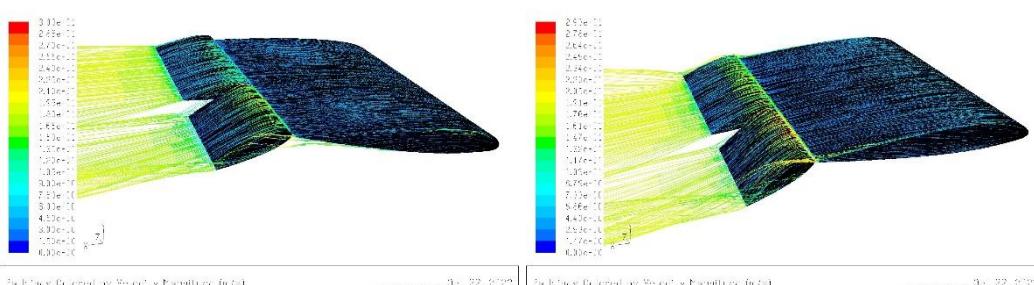
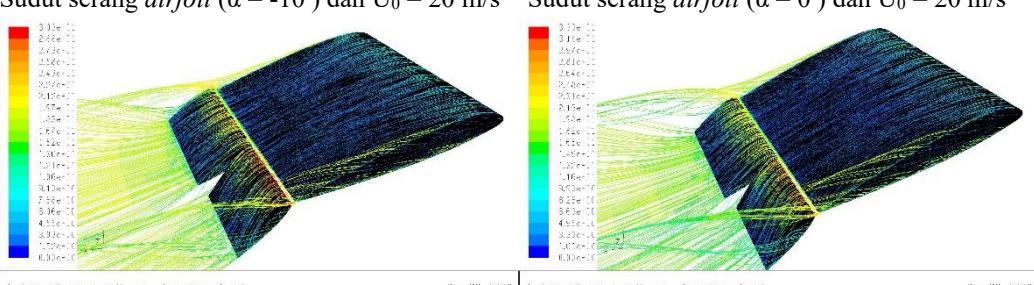
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$



14. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 15^\circ$ dan $\delta_k = 30^\circ$

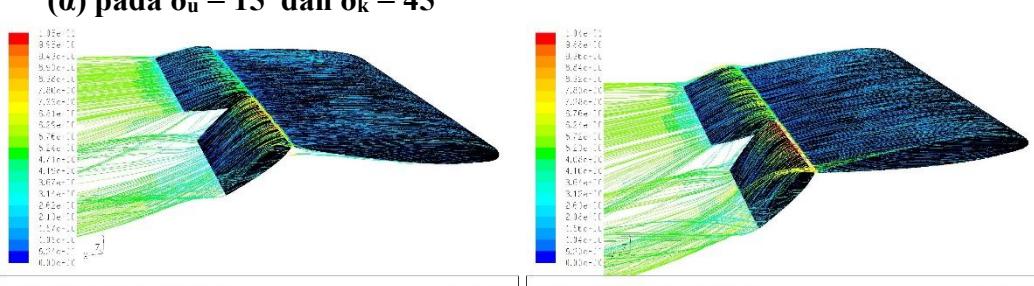


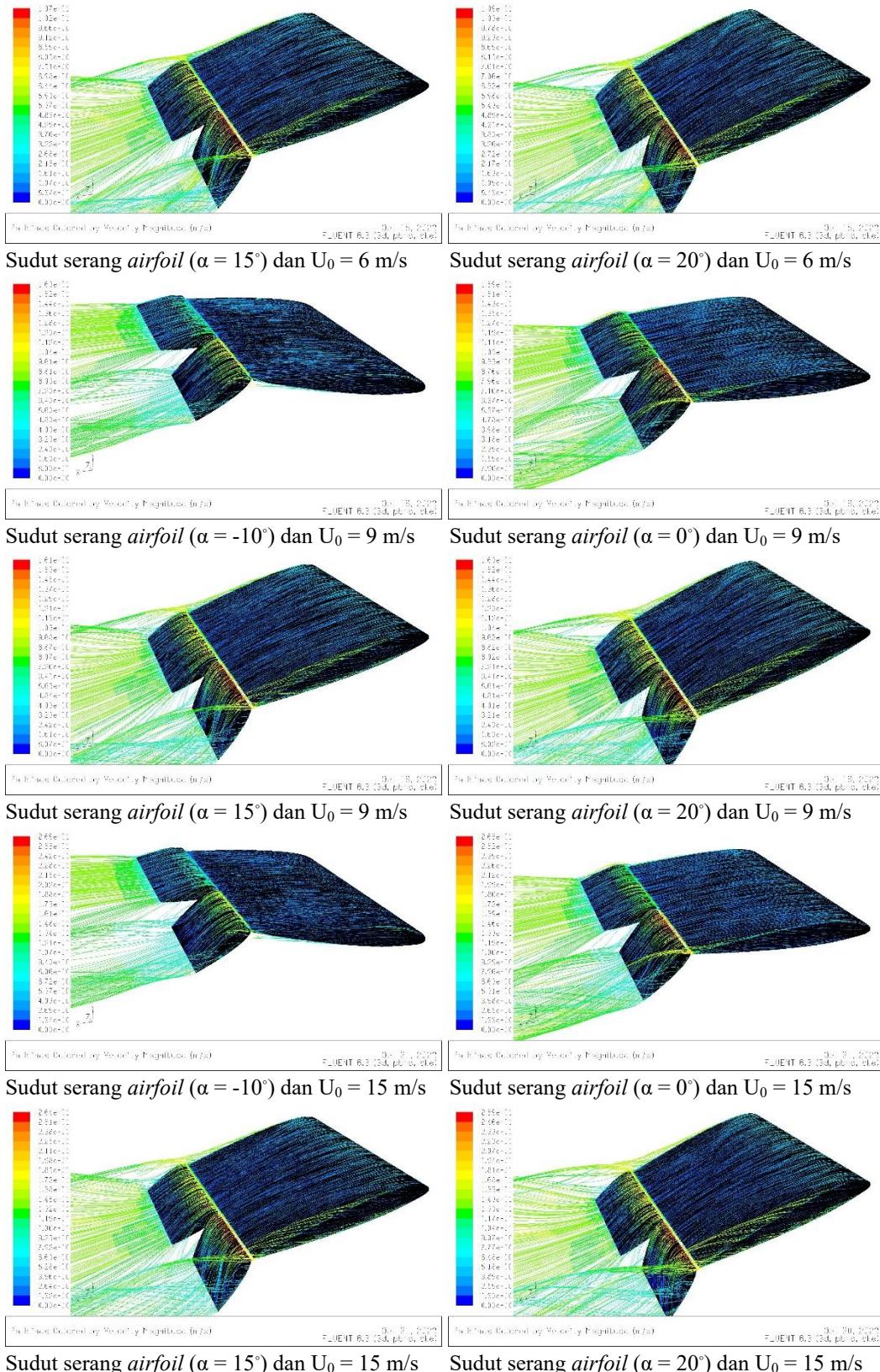


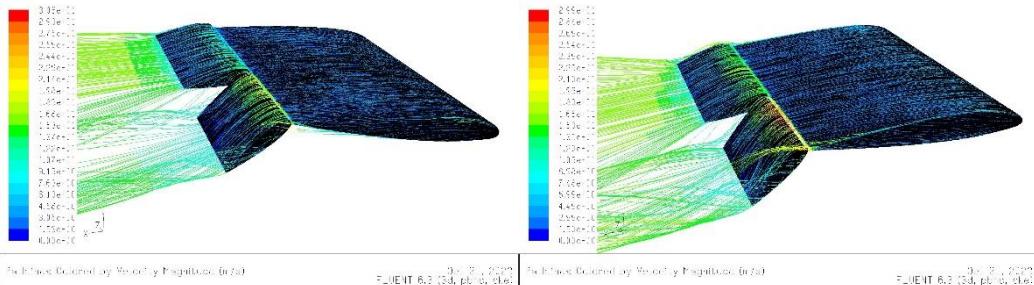
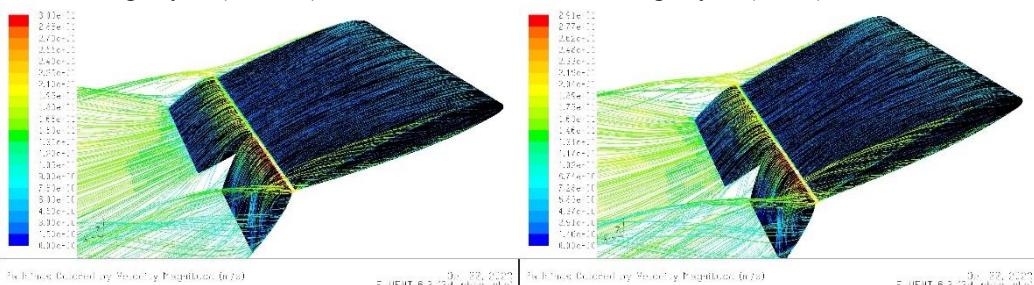
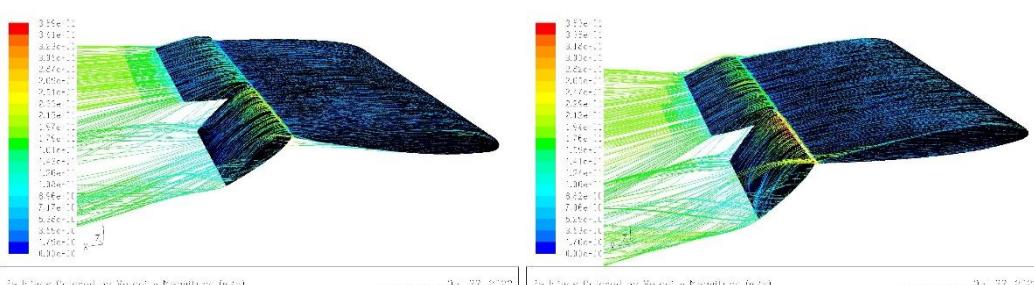
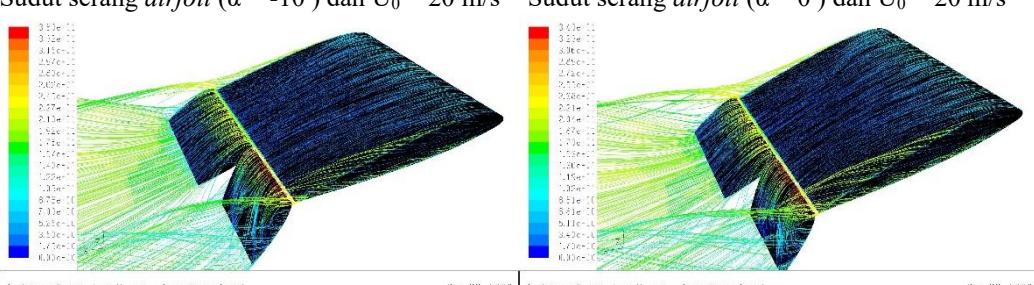
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

15. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil

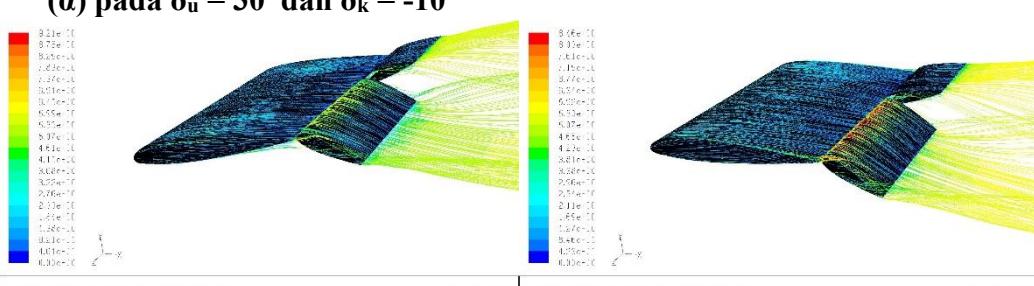
(a) pada $\delta_u = 15^\circ$ dan $\delta_k = 45^\circ$

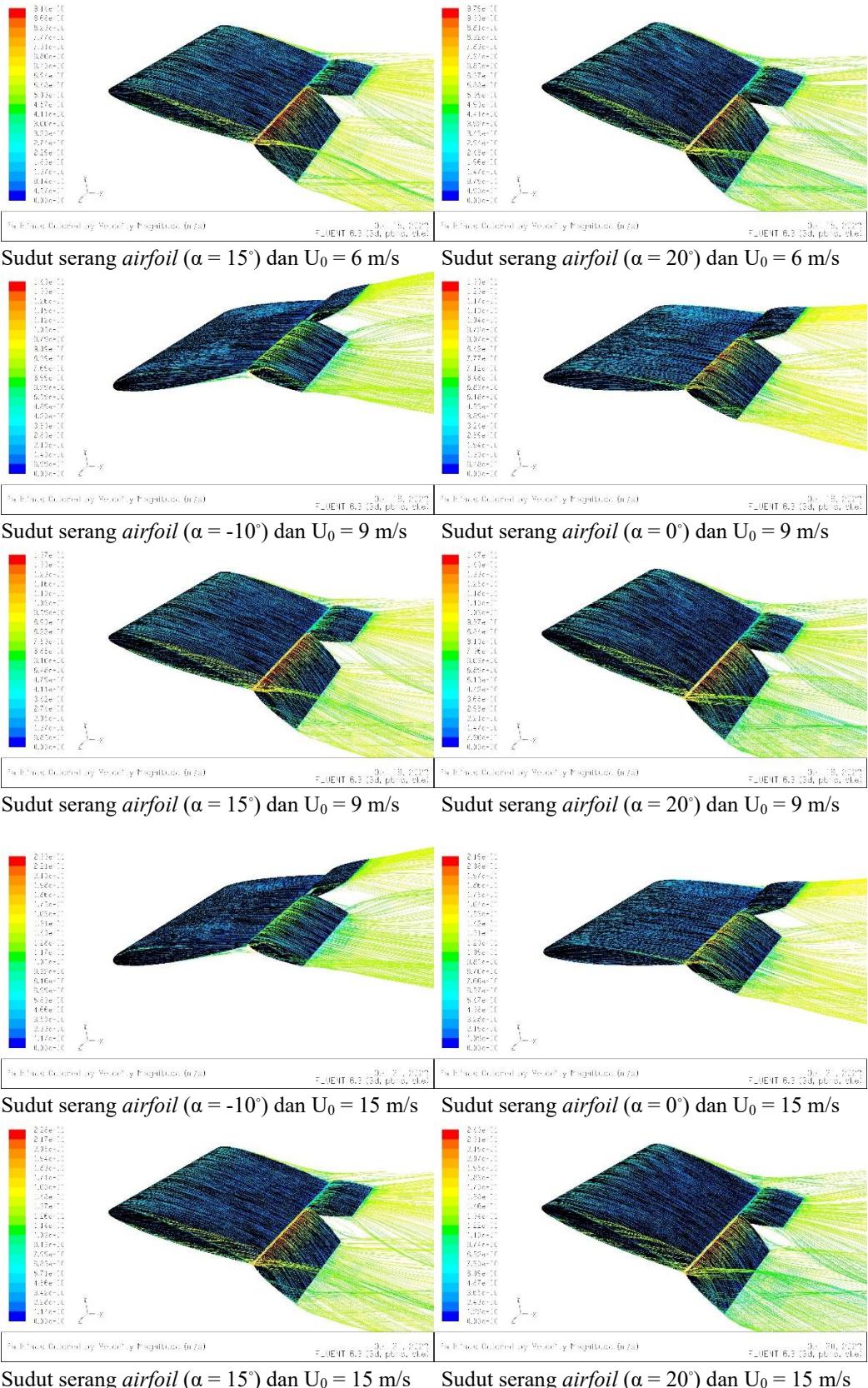
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

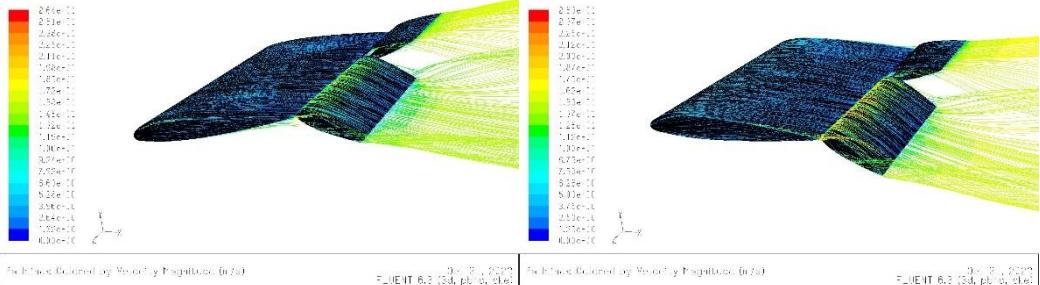


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

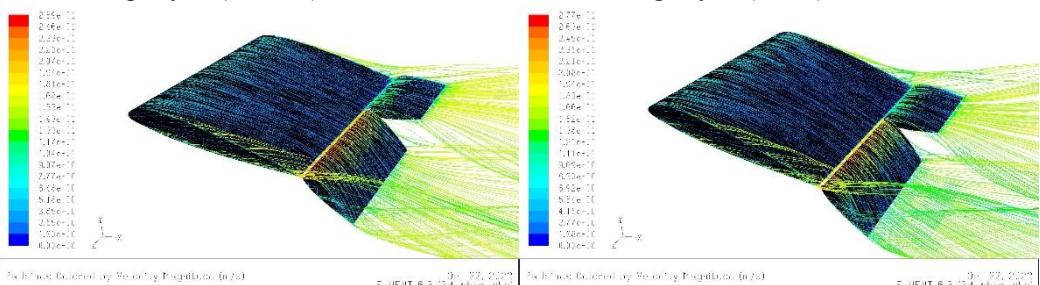
16. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 30^\circ$ dan $\delta_k = -10^\circ$

Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

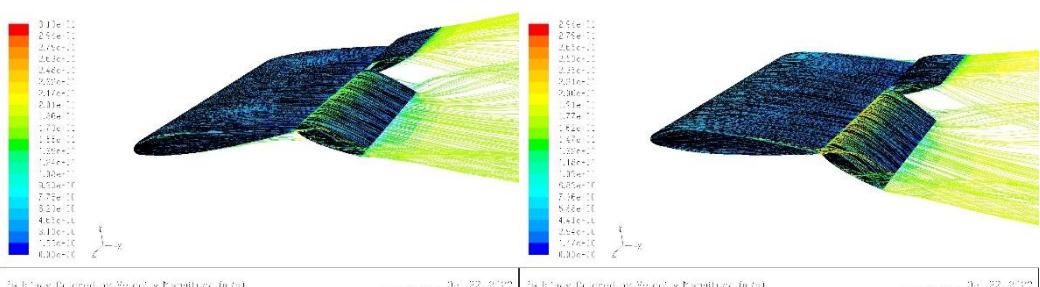




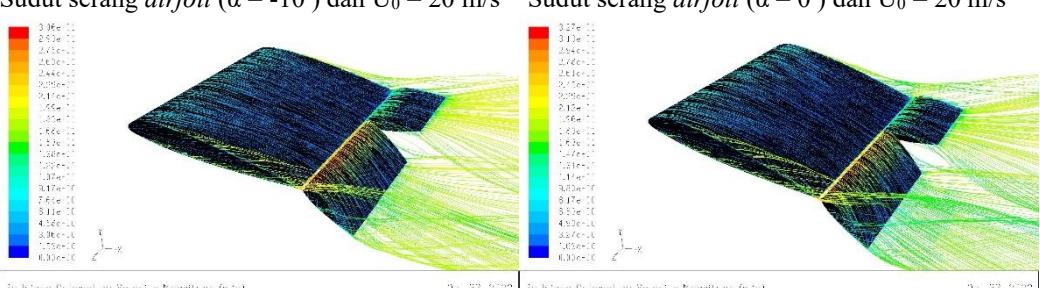
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$



Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$



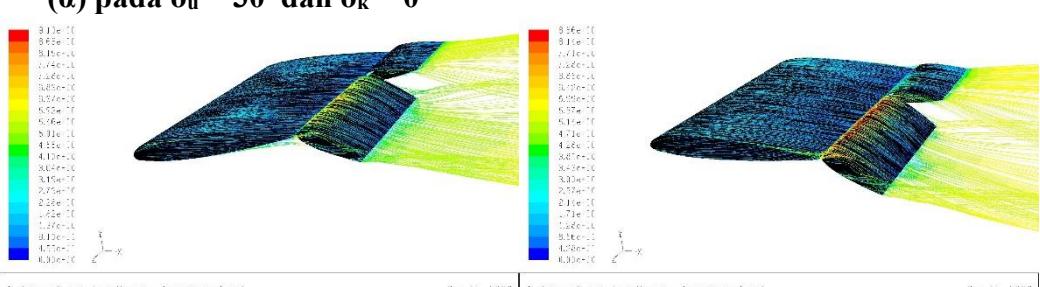
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$



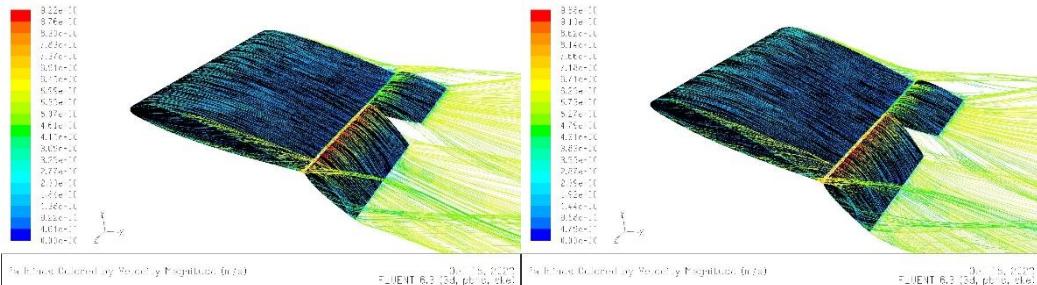
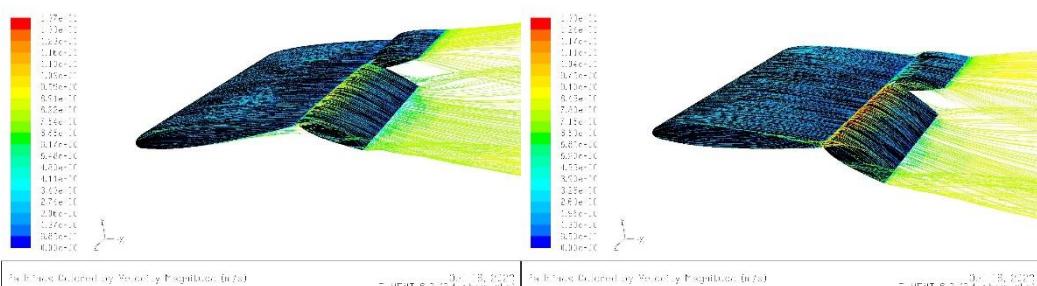
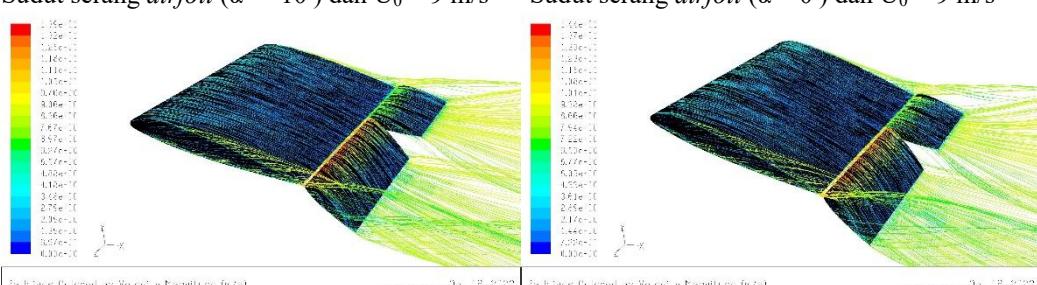
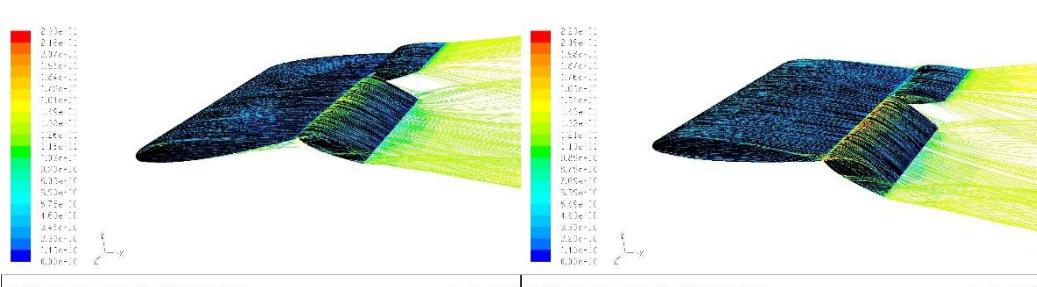
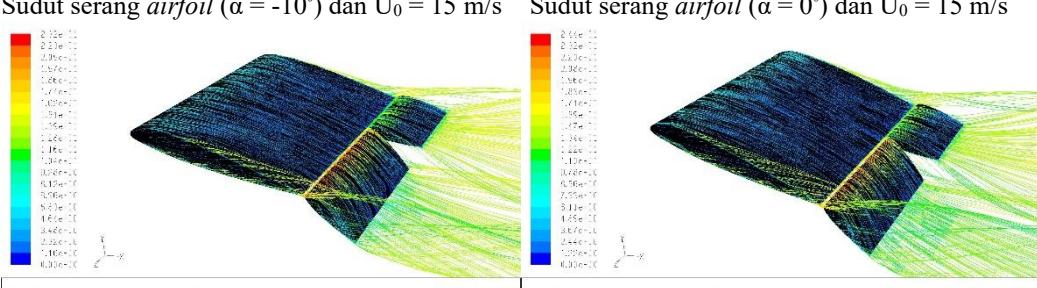
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

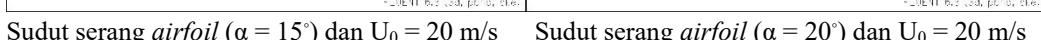
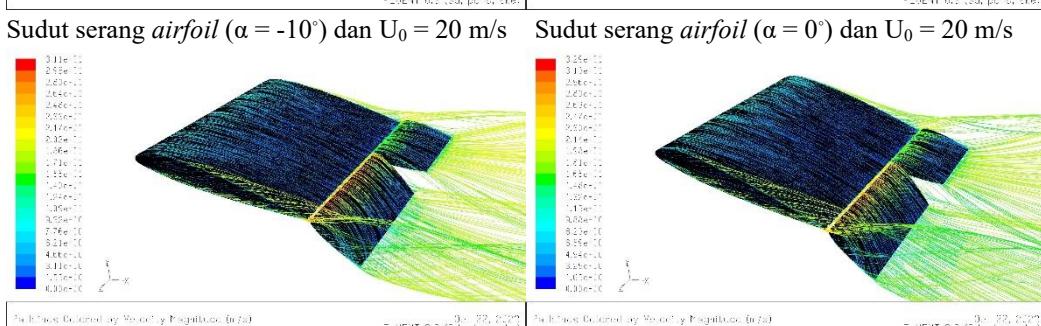
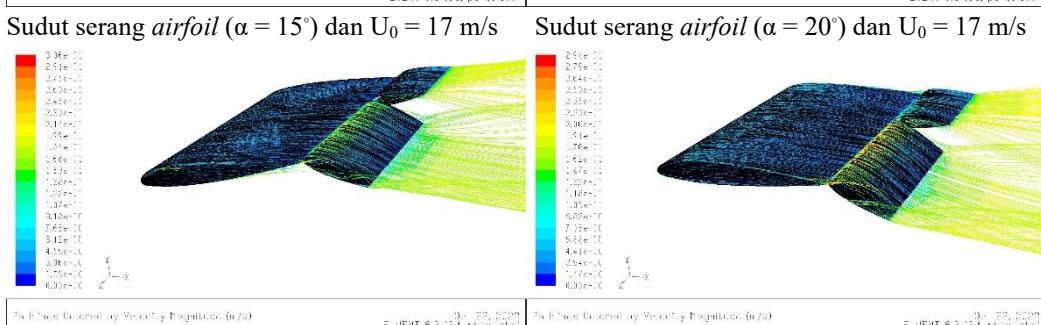
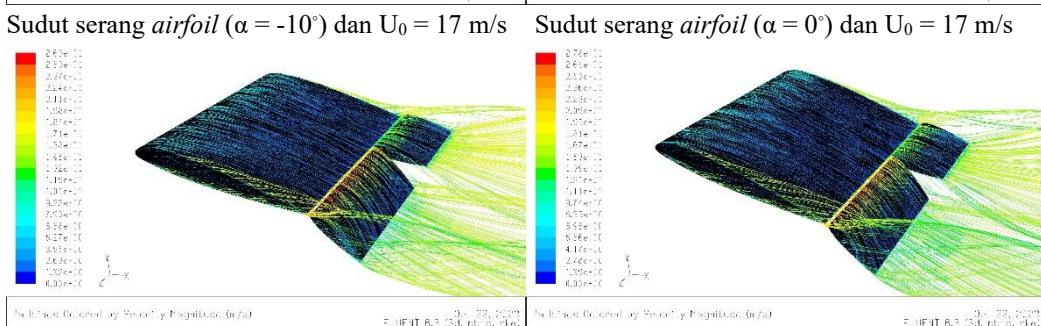
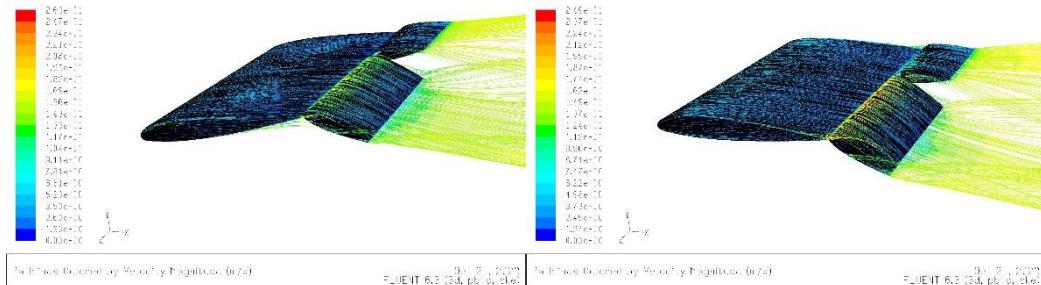
17. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil

(a) pada $\delta_u = 30^\circ$ dan $\delta_k = 0^\circ$

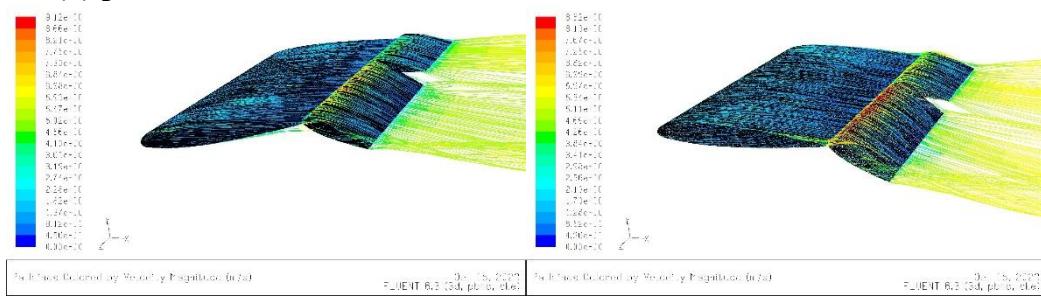


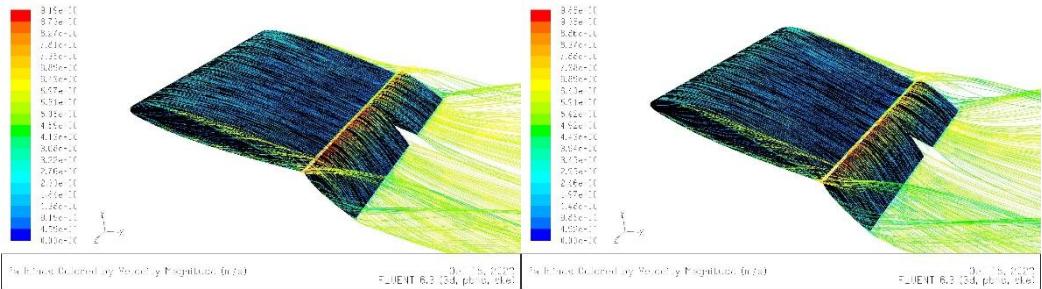
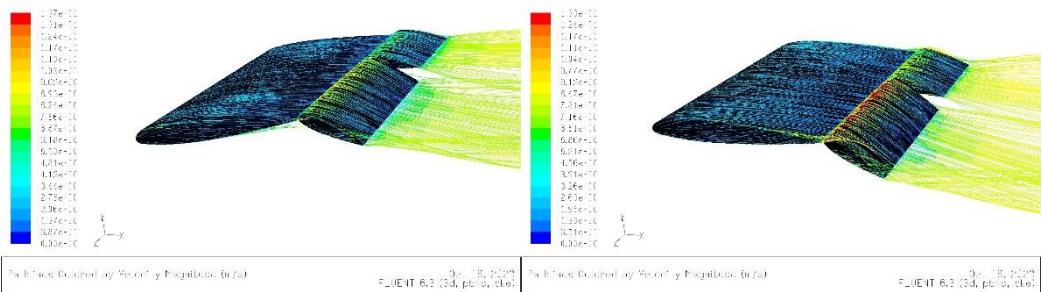
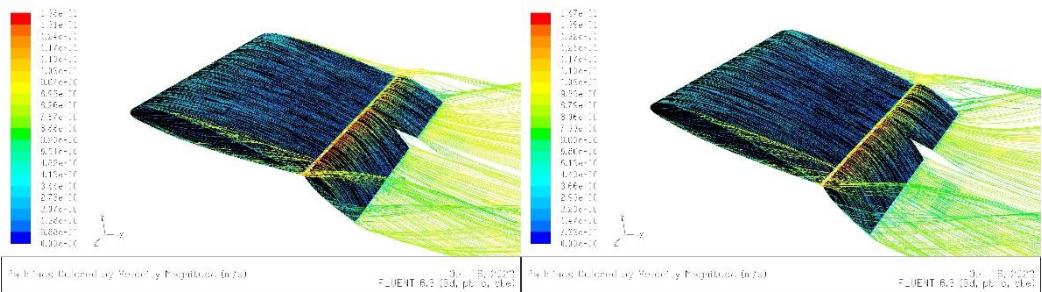
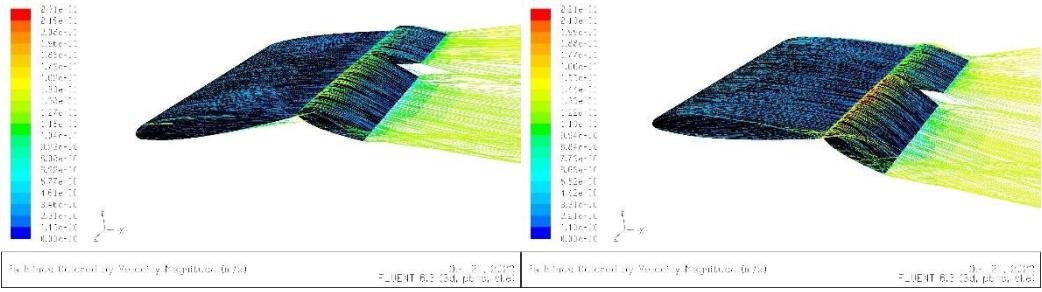
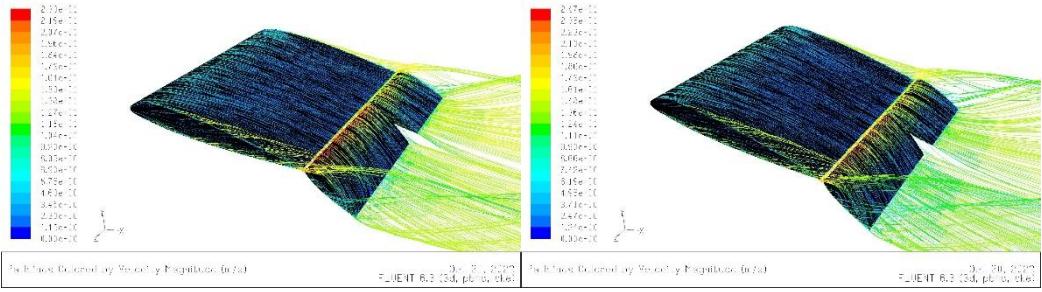
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

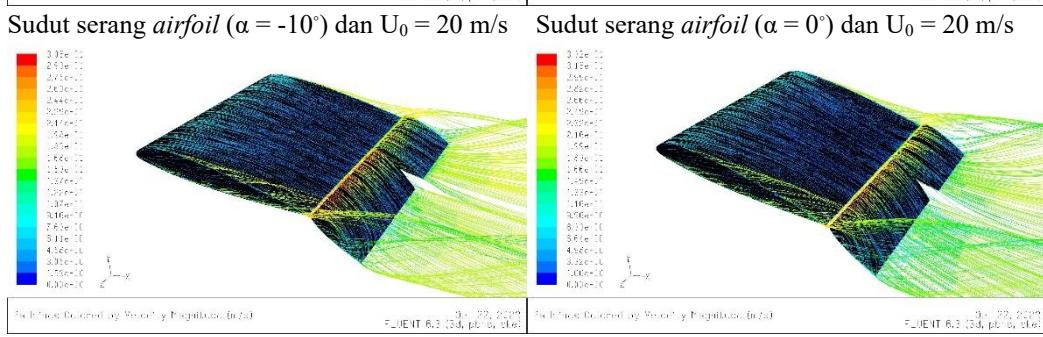
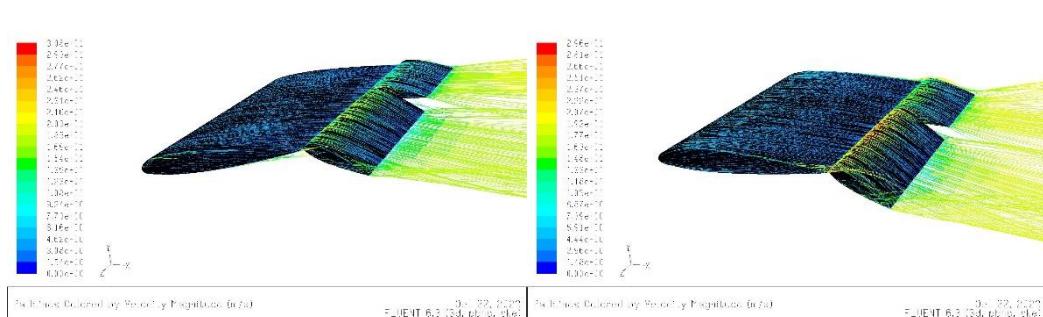
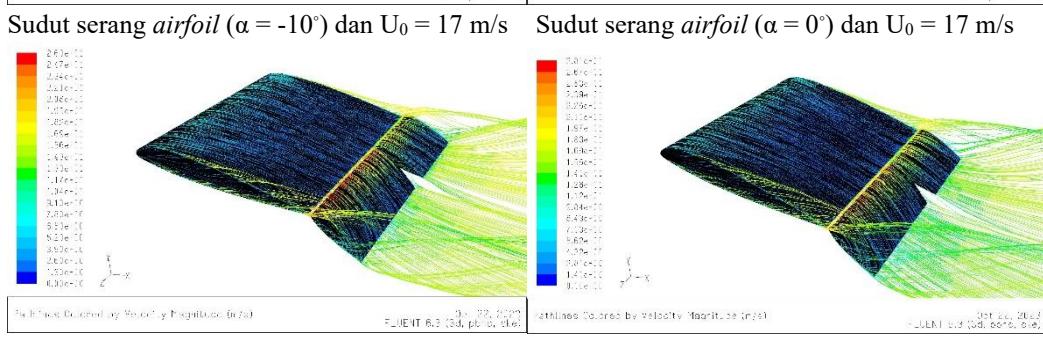
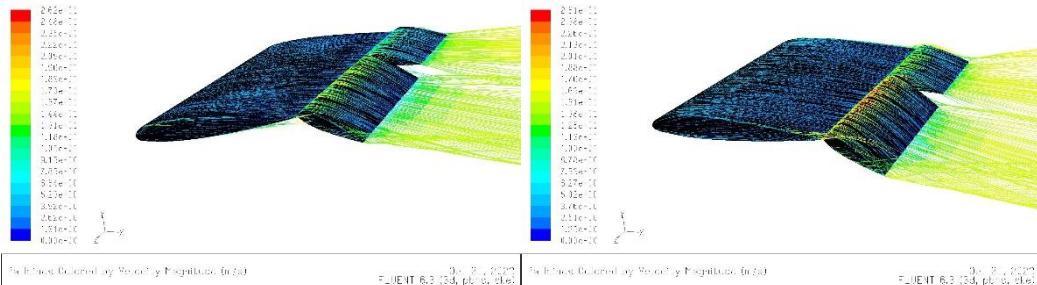
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$



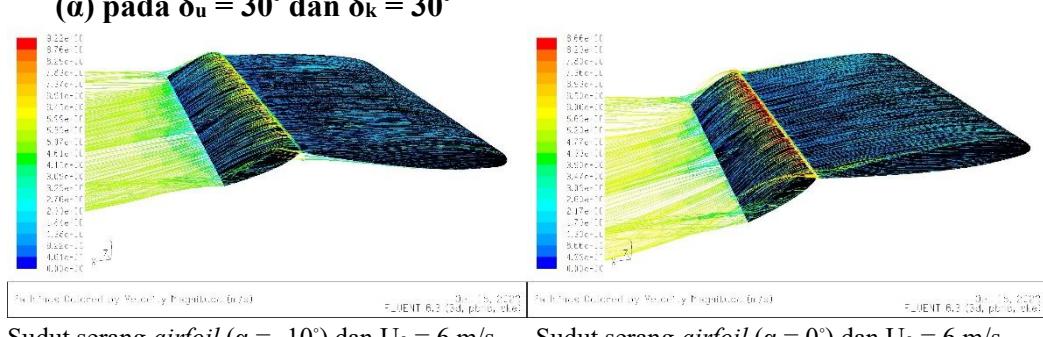
18. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 30^\circ$ dan $\delta_k = 15^\circ$

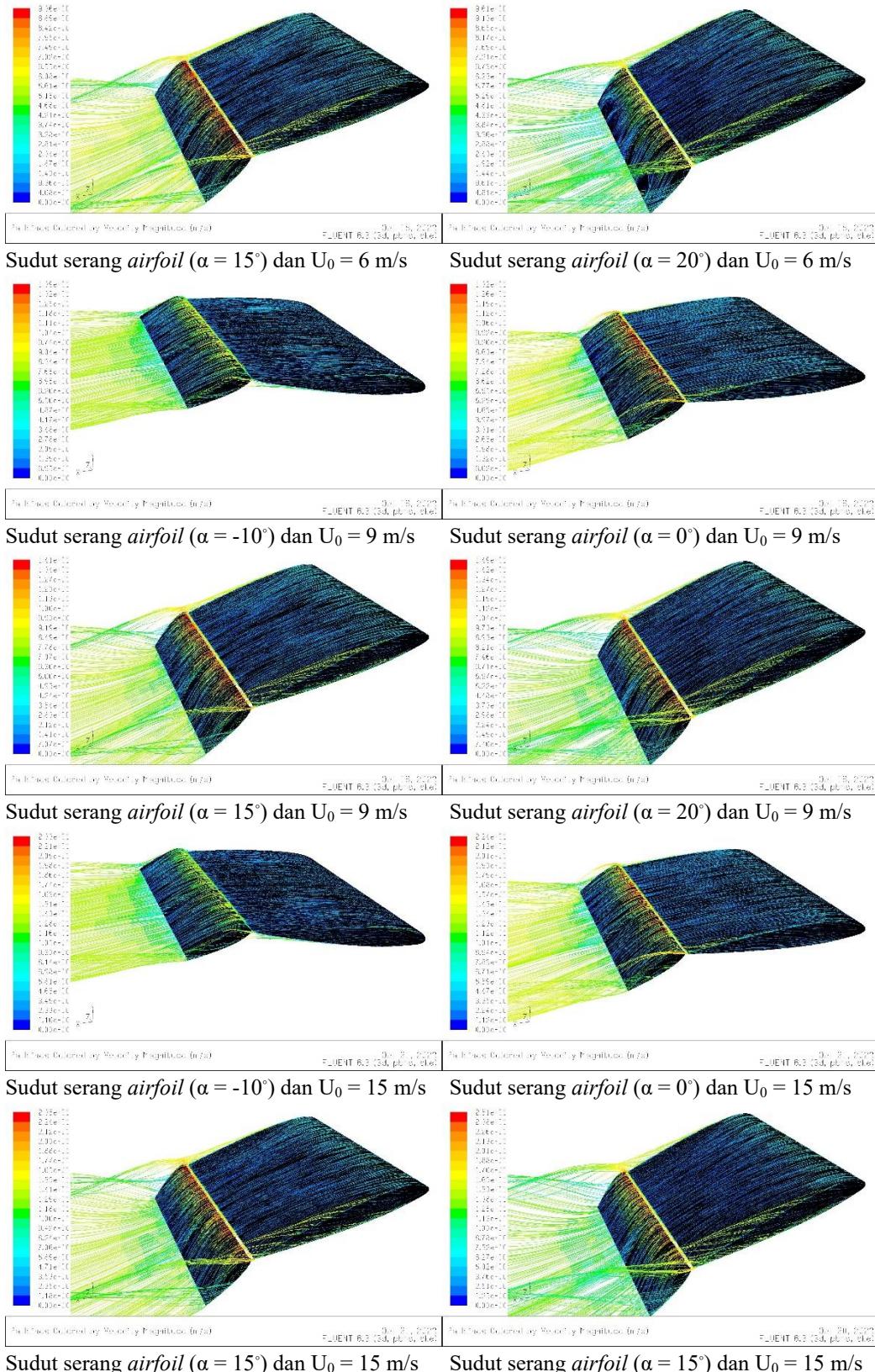


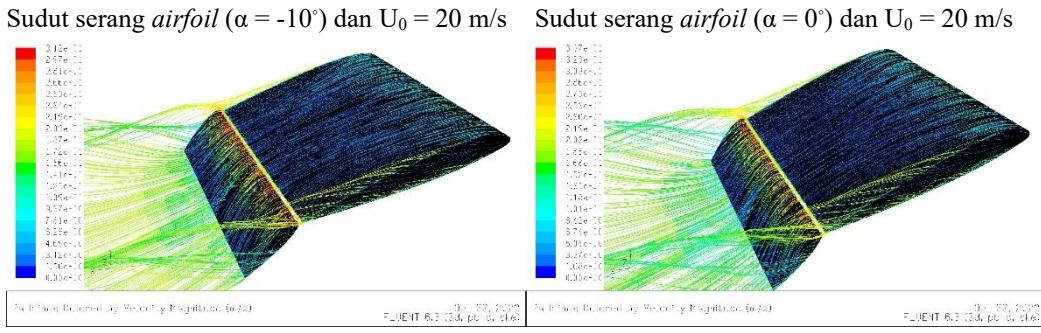
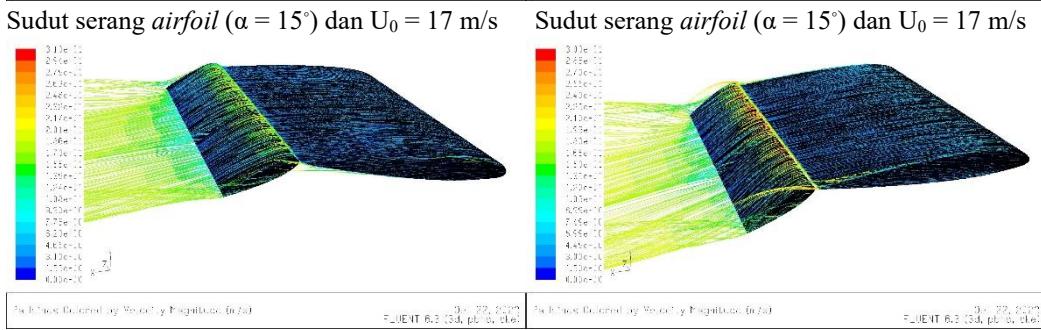
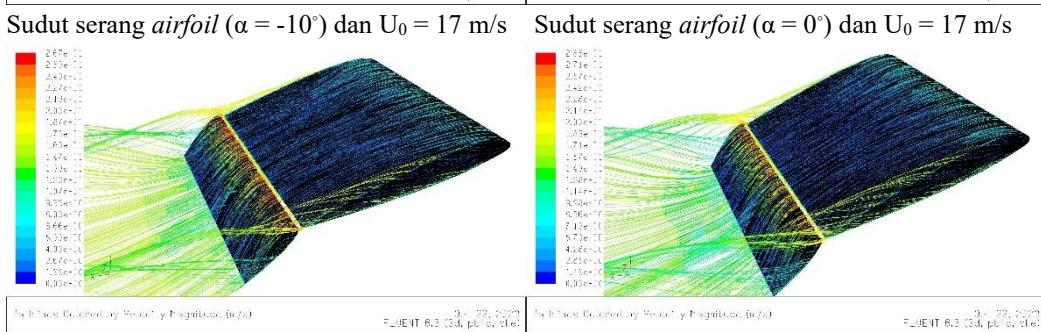
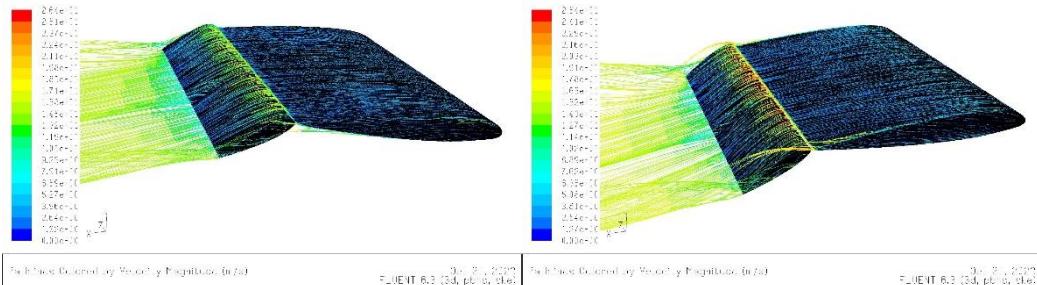
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$



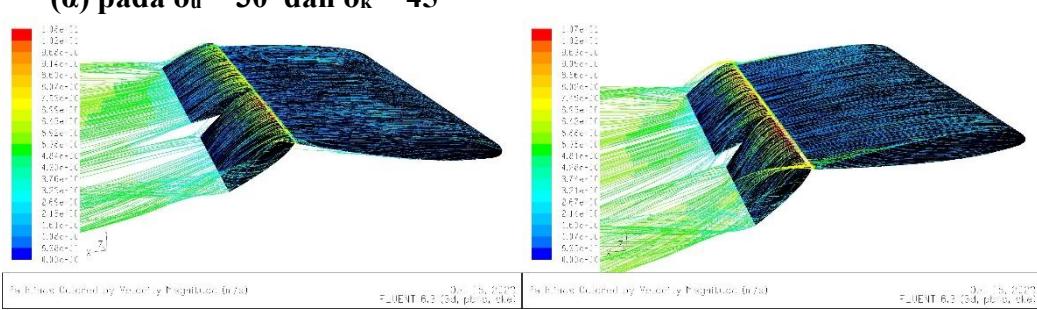
19. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 30^\circ$ dan $\delta_k = 30^\circ$

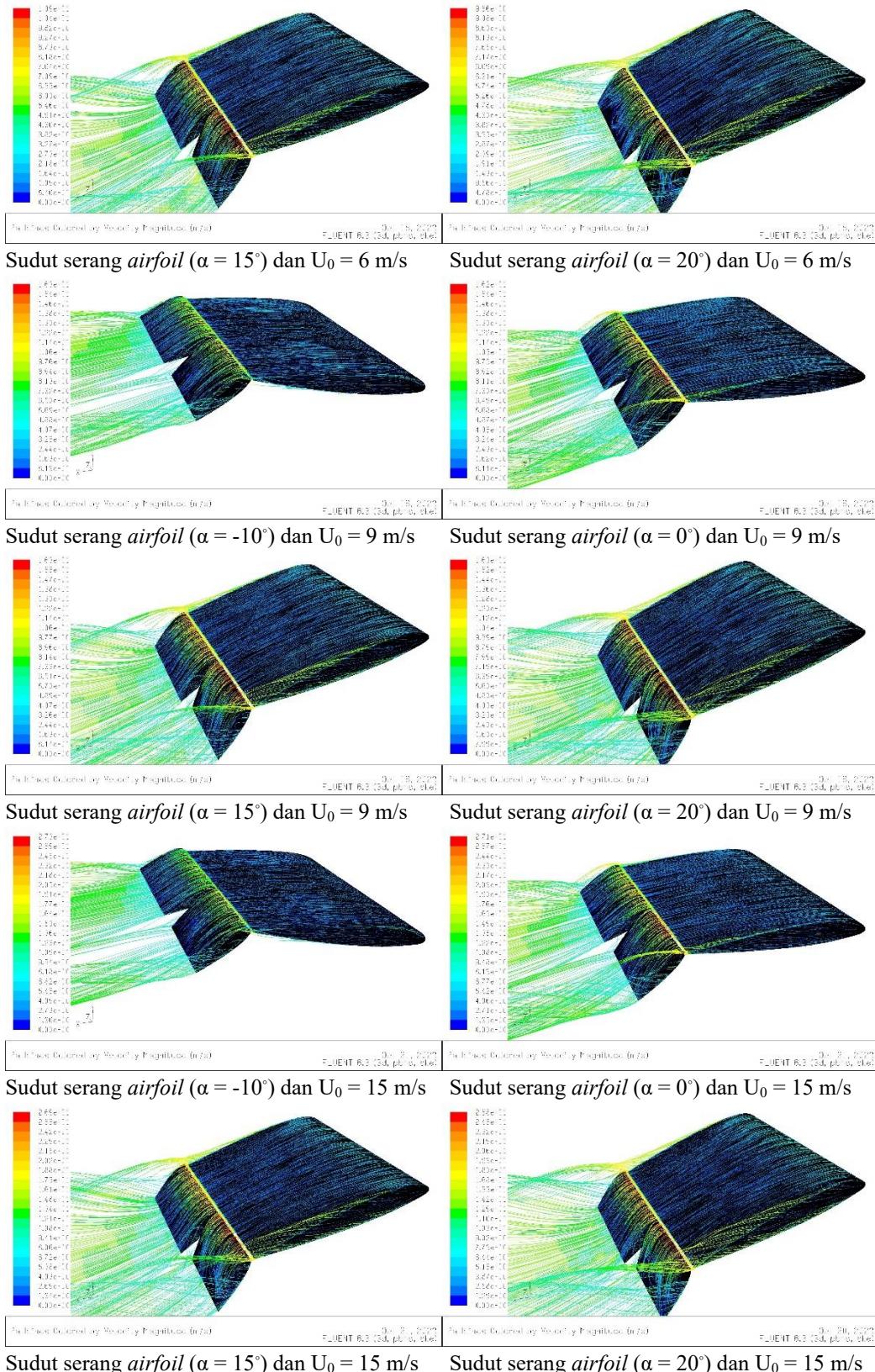


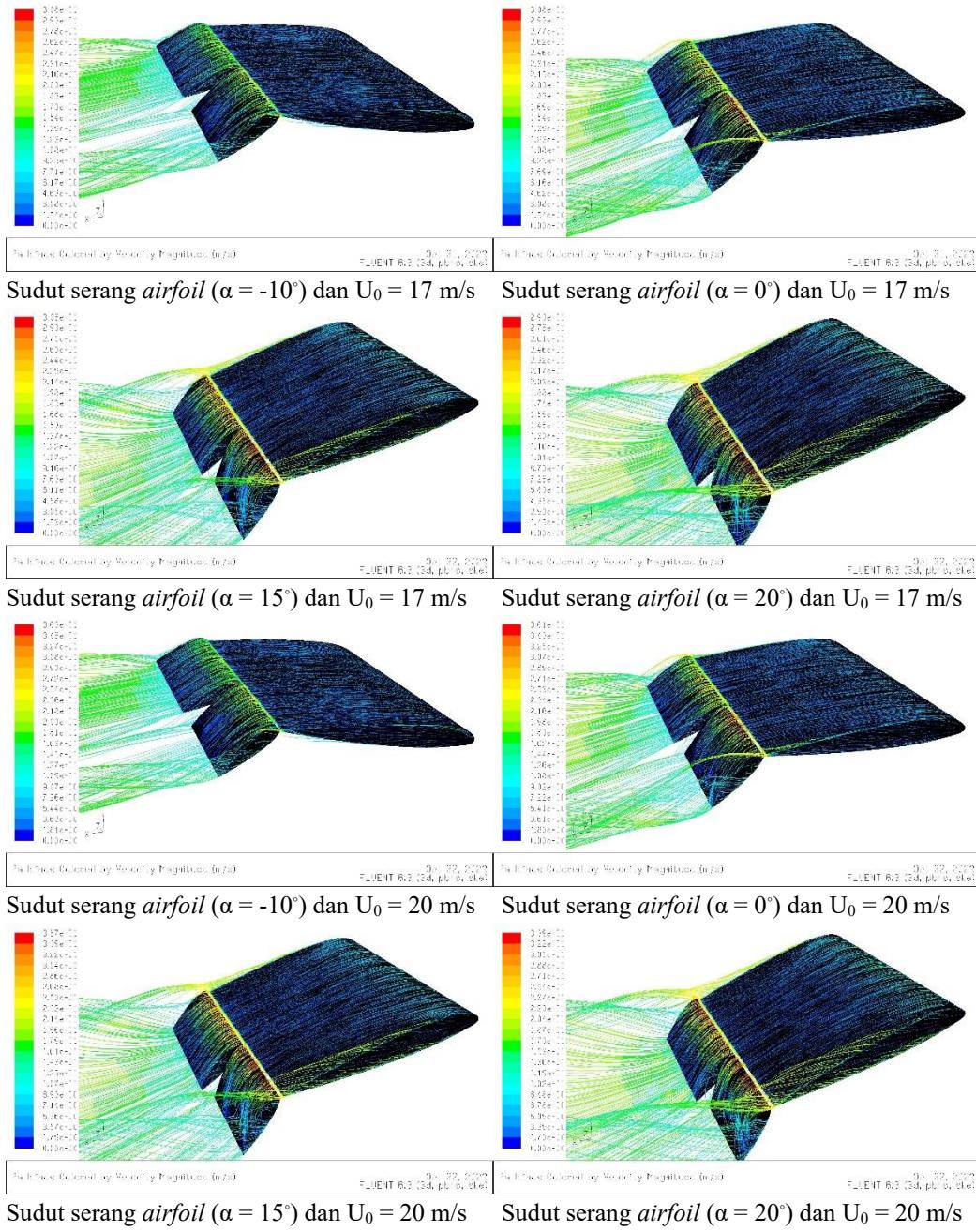




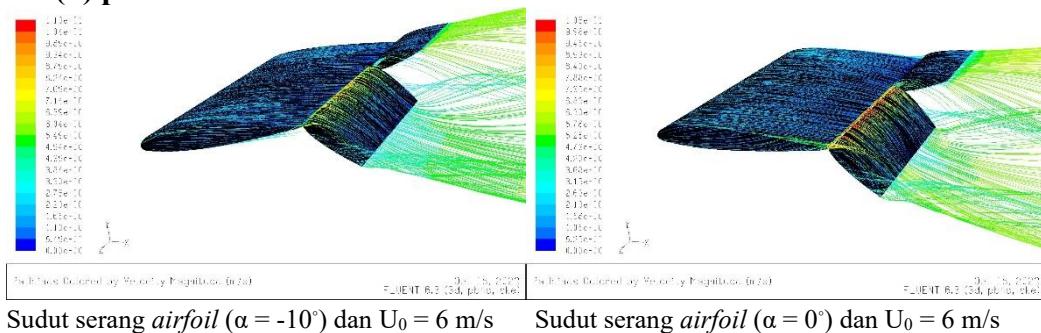
20. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 30^\circ$ dan $\delta_k = 45^\circ$

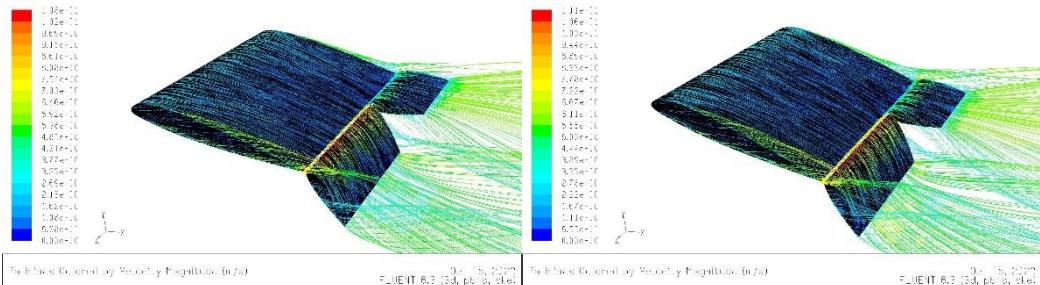
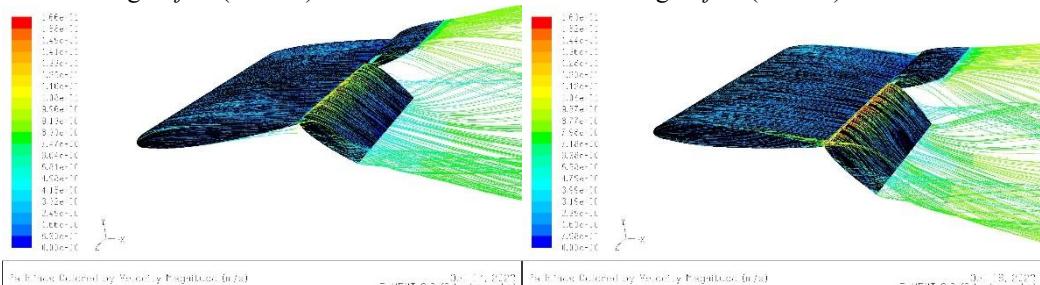
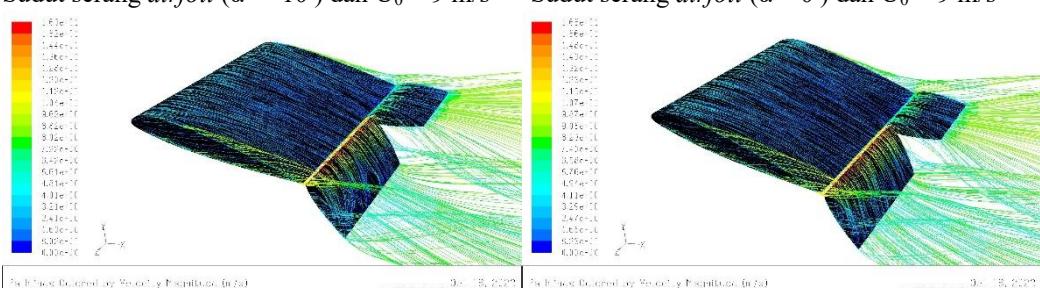
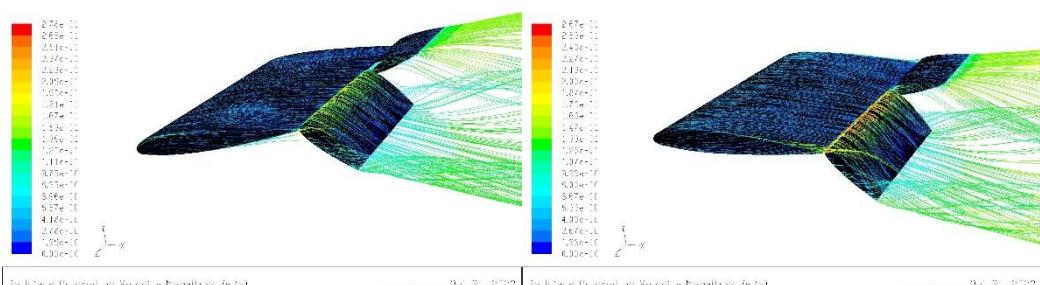
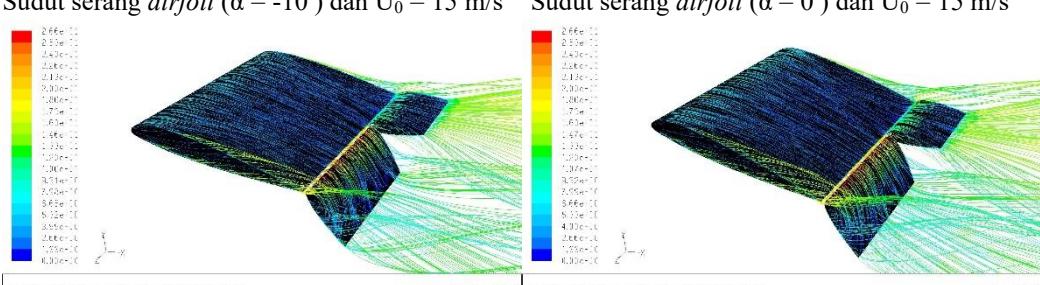


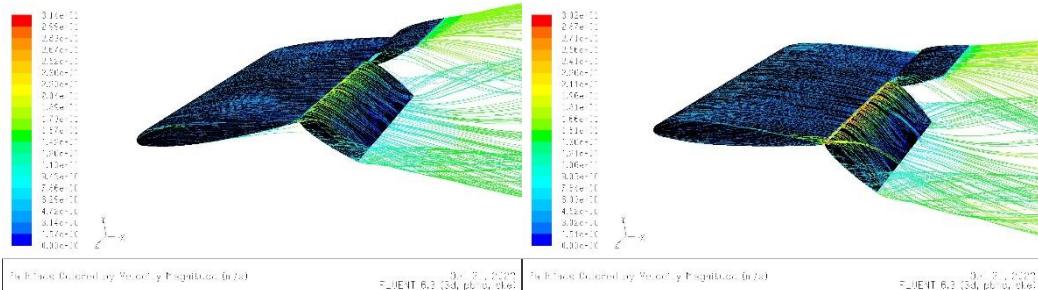




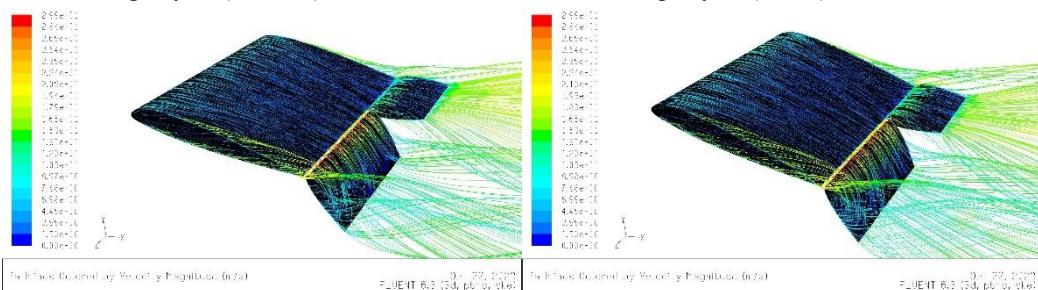
21. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 45^\circ$ dan $\delta_k = -10^\circ$



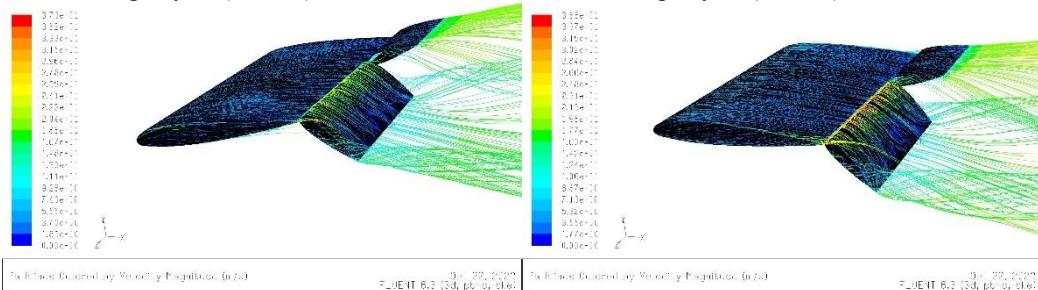
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 9 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 15 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 15 \text{ m/s}$



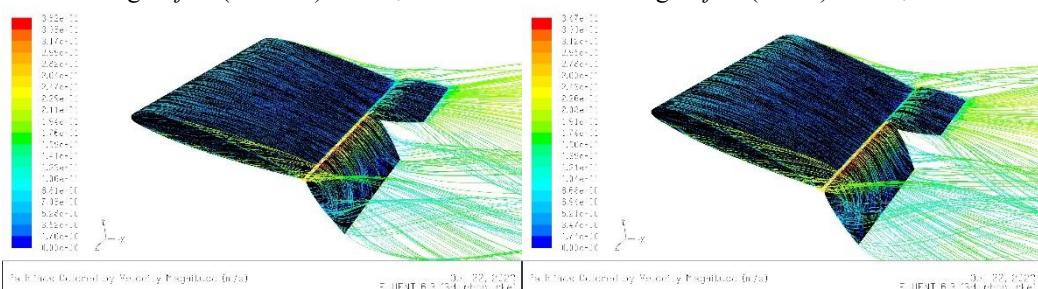
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$



Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$

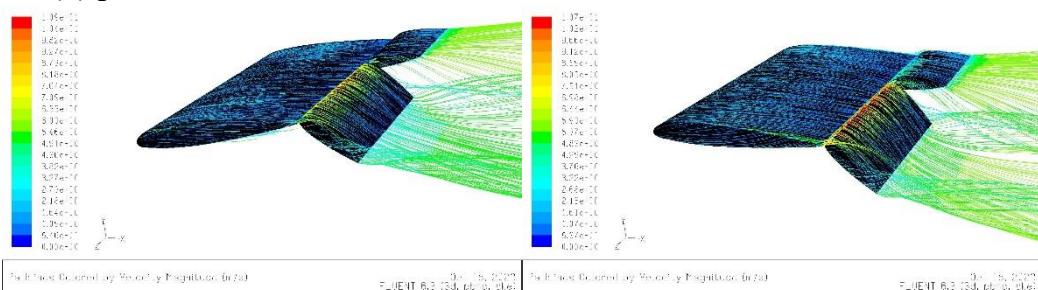


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$

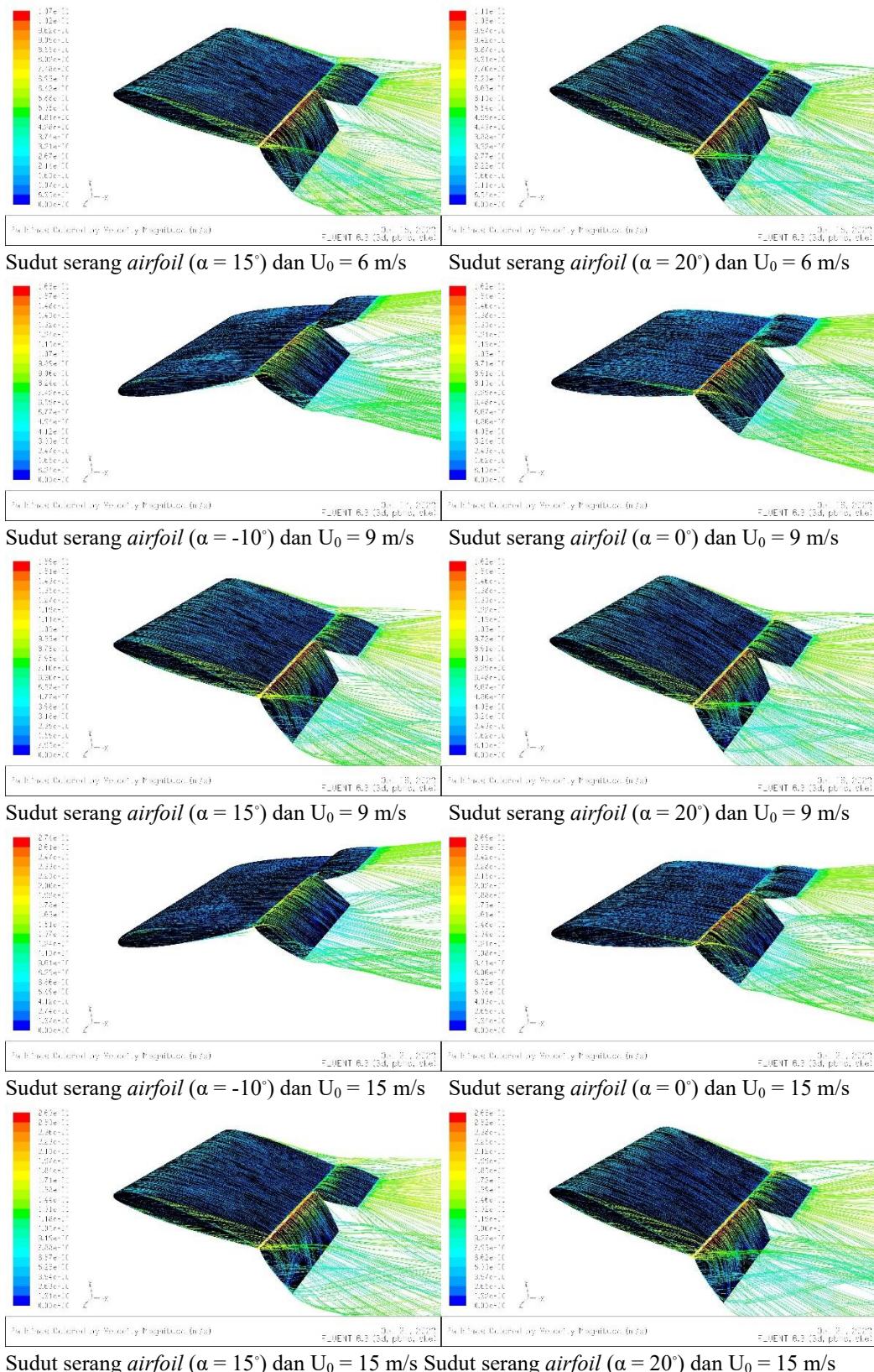


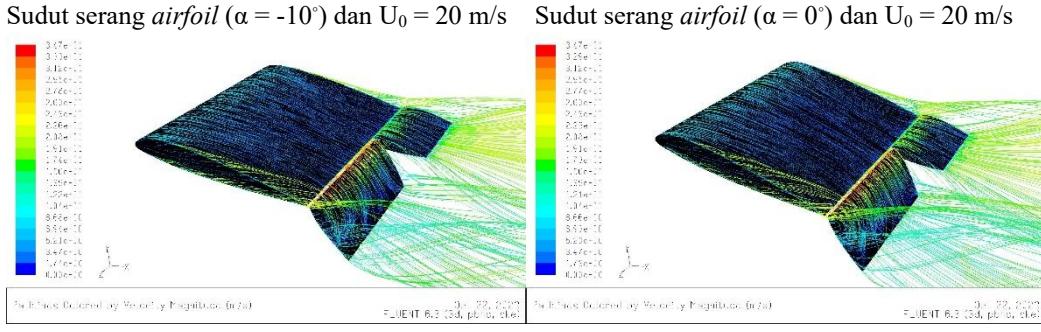
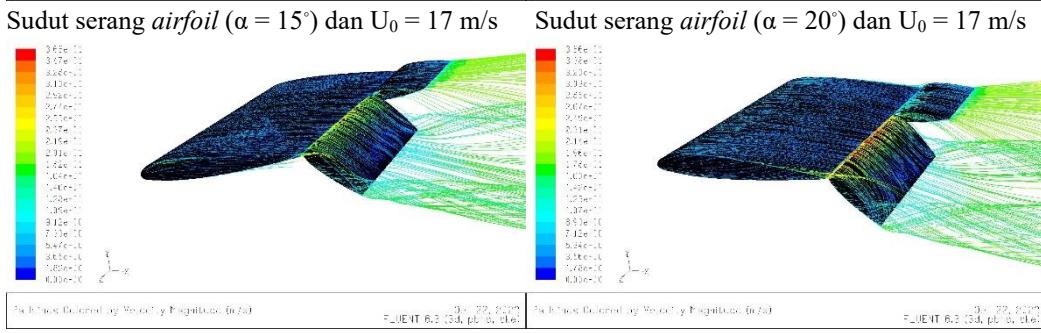
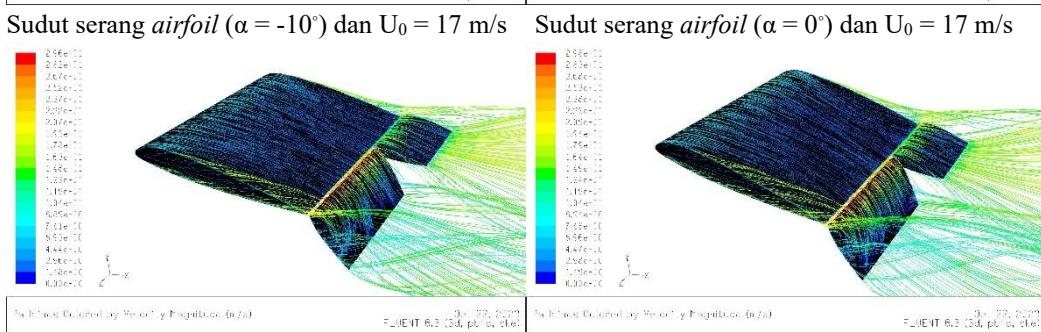
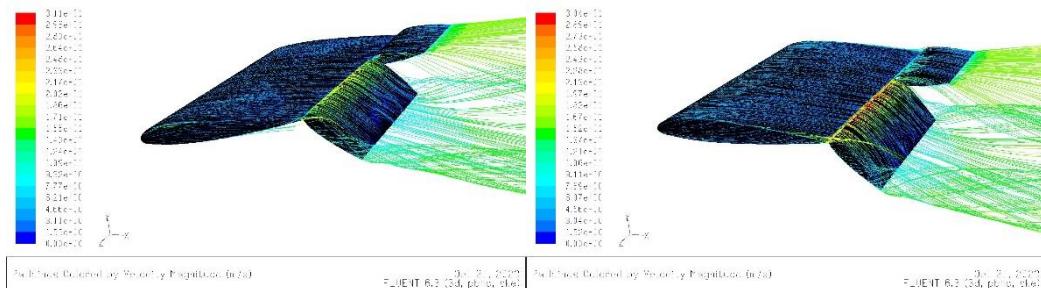
Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$

22. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 45^\circ$ dan $\delta_k = 0^\circ$

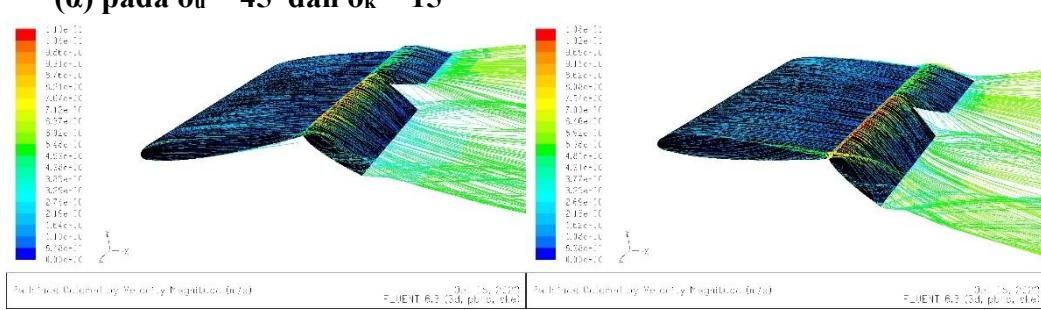


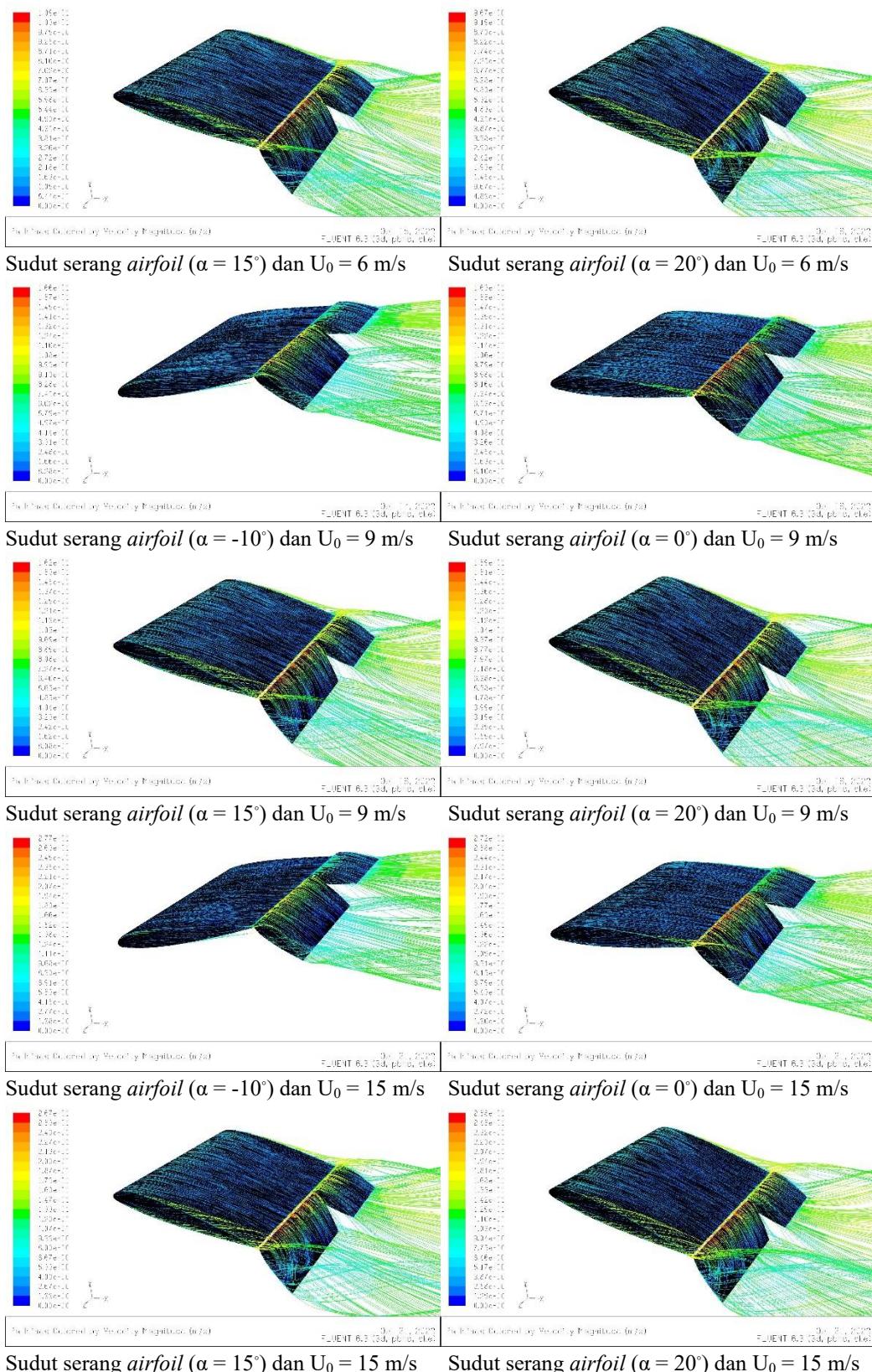
Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

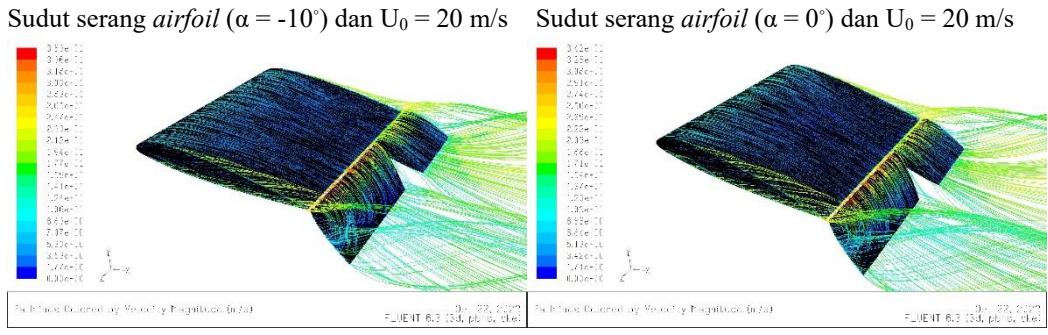
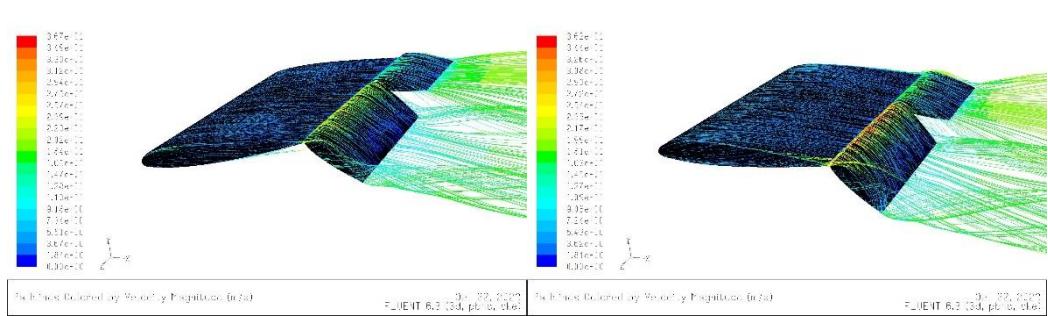
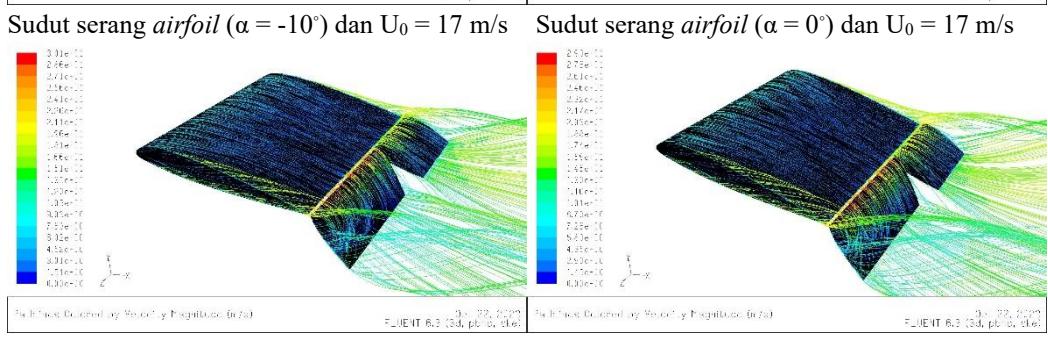
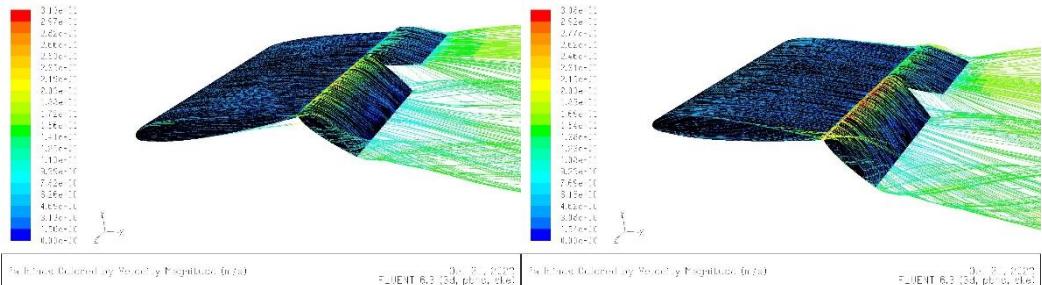




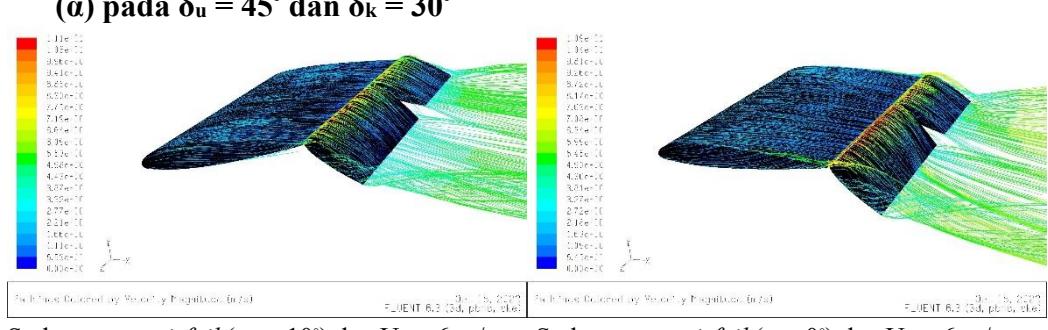
23. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 45^\circ$ dan $\delta_k = 15^\circ$

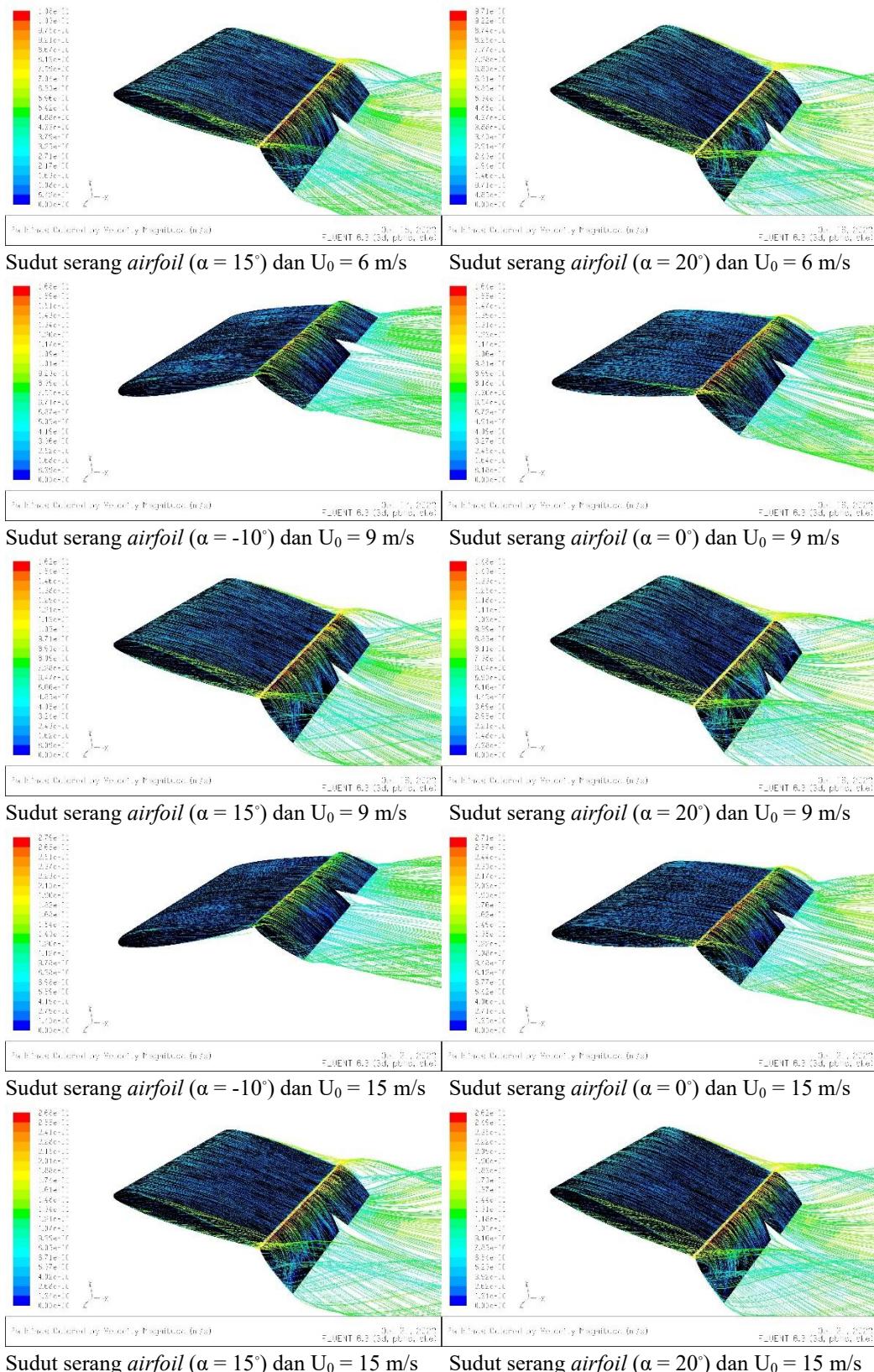


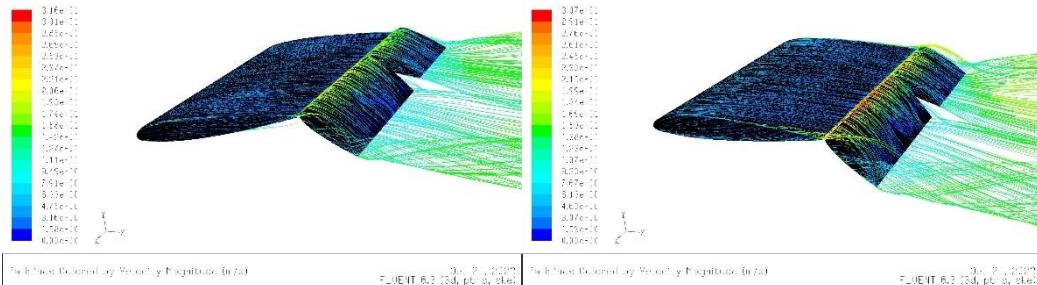
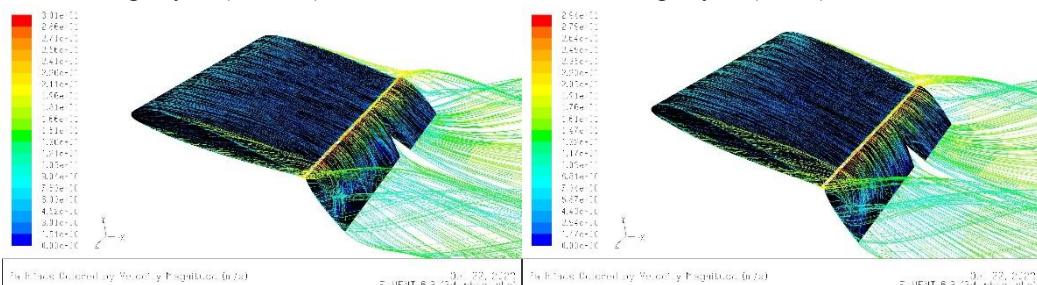
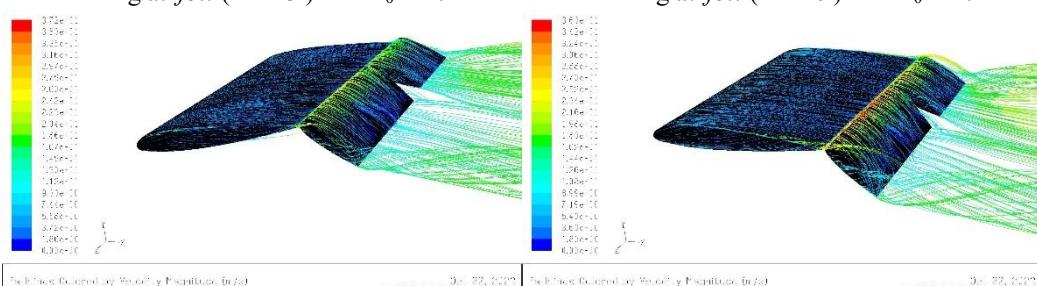
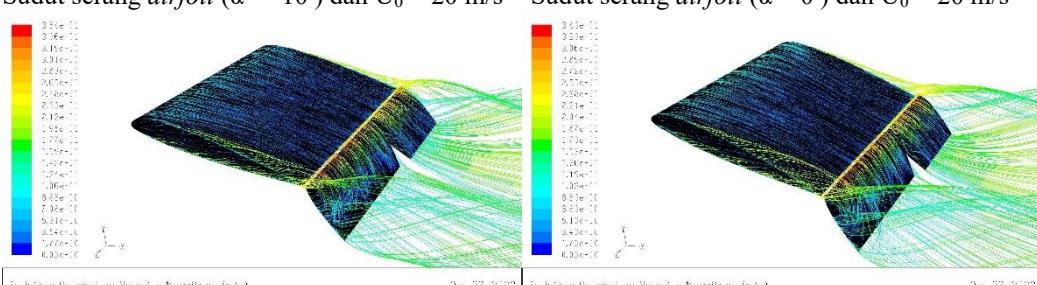




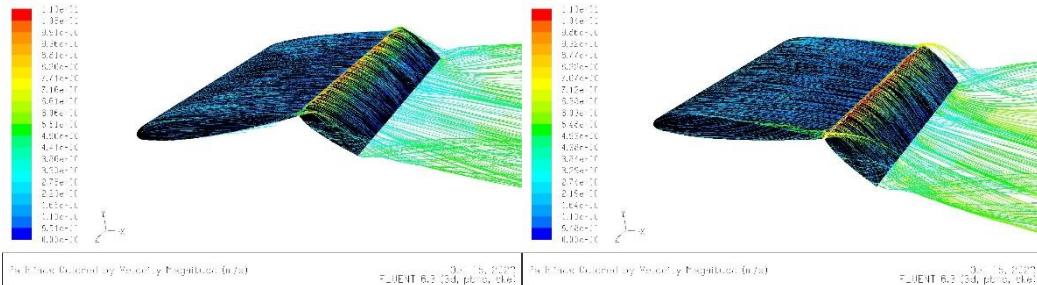
24. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (α) pada $\delta_u = 45^\circ$ dan $\delta_k = 30^\circ$

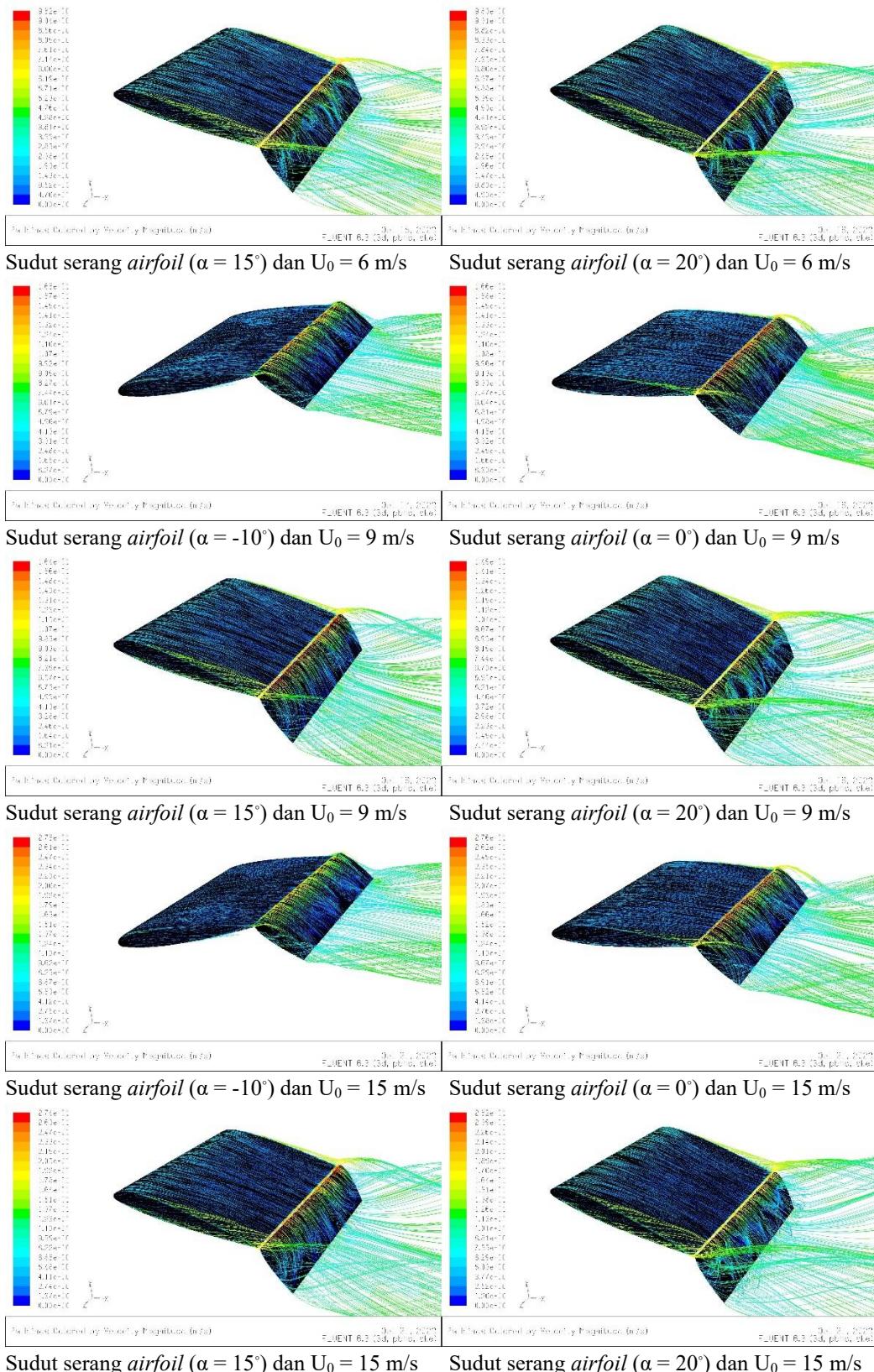


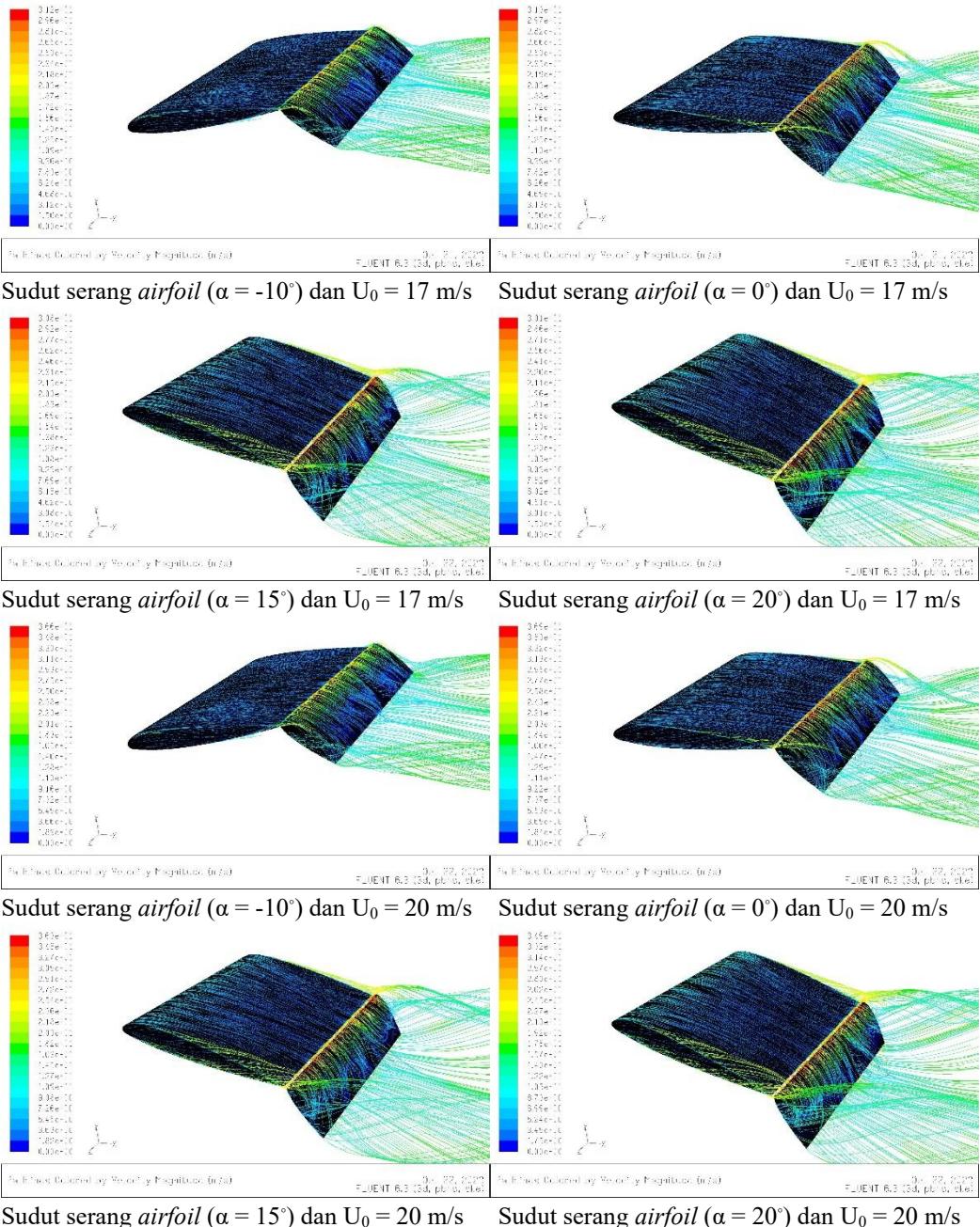


Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 15^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 17 \text{ m/s}$ Sudut serang airfoil ($\alpha = 20^\circ$) dan $U_0 = 20 \text{ m/s}$ Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 20 \text{ m/s}$

25. Karakteristik aliran pada model uji dengan variasi sudut serang airfoil (a) pada $\delta_u = 45^\circ$ dan $\delta_k = 45^\circ$

Sudut serang airfoil ($\alpha = -10^\circ$) dan $U_0 = 6 \text{ m/s}$ Sudut serang airfoil ($\alpha = 0^\circ$) dan $U_0 = 6 \text{ m/s}$

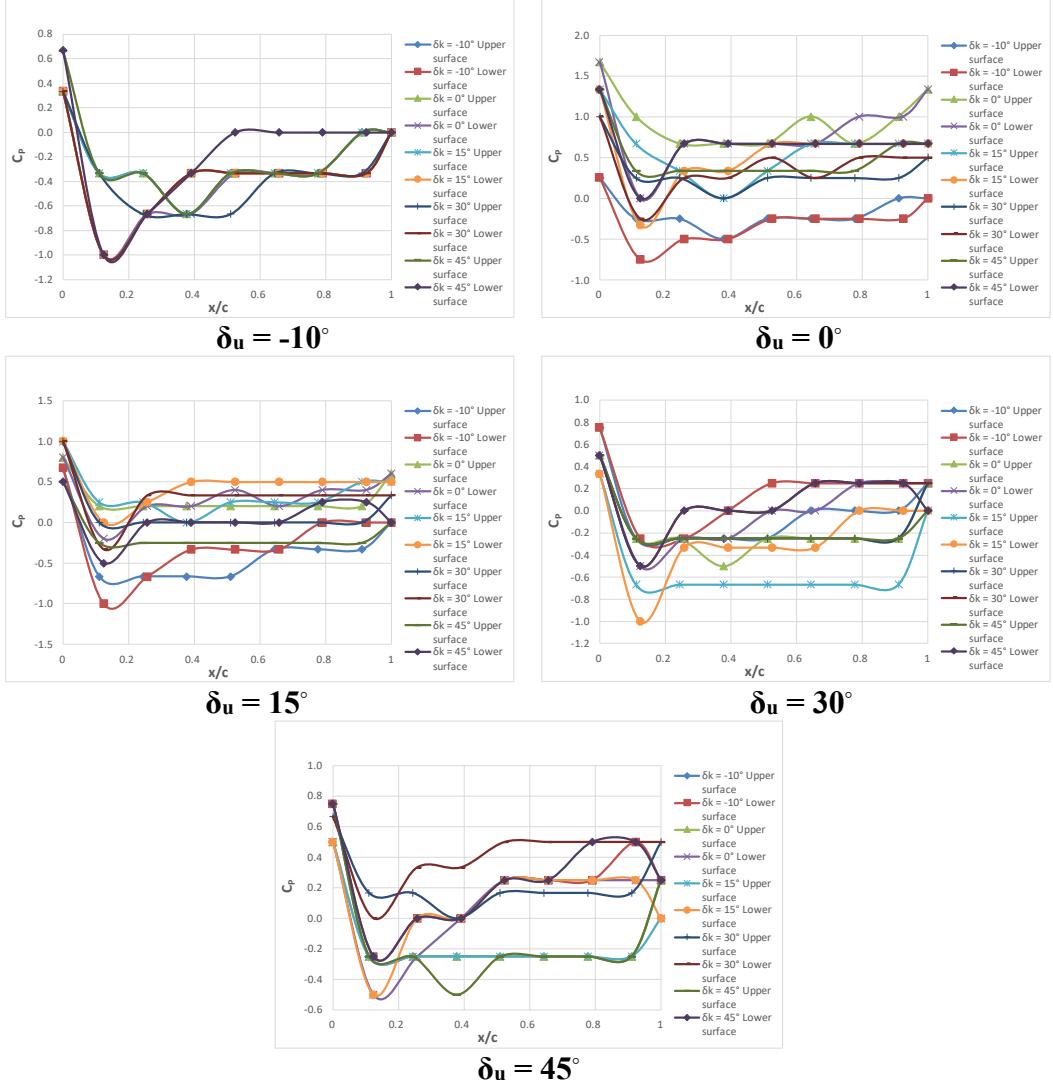




Lampiran 2 Nilai Koefisien Tekanan (C_P) pada Airfoil

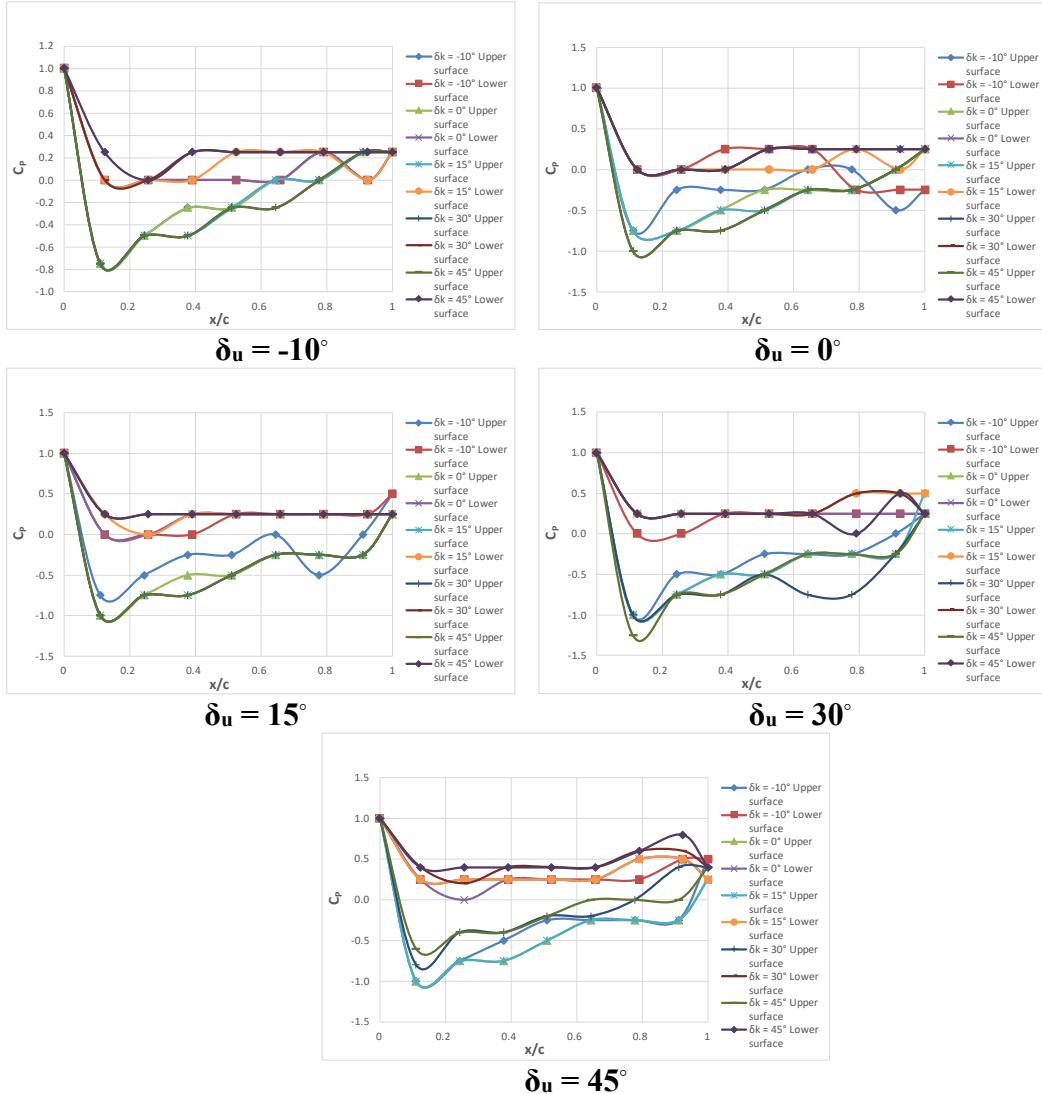
1. Sudut serang airfoil (α) -10° dan Kecepatan freestream (U_0) 6 m/s

δ_u (°)	δk (°)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA					CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	0.3	-0.3	-1.0	-0.3	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	-0.3	-0.7	-0.3	0.0	-0.7	-0.7	-0.3	-0.3	
	0	0.3	-0.3	-1.0	-0.3	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.7	-0.3	-0.7	-0.3	0.0	-0.7	-0.3	0.0	0.0	
	15	0.3	-0.3	-1.0	-0.3	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.7	-0.3	-0.3	0.0	-0.3	-0.7	-0.3	-0.3	-0.3	
	30	0.3	-0.3	-1.0	-0.7	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.3	-0.3	-0.3	0.0	-0.3	-0.7	-0.3	-0.7	-0.7	
	45	0.7	-0.3	-1.0	-0.3	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	-0.7	-0.3	-0.3	-0.7	0.3	
0	-10	0.3	-0.3	-0.8	-0.3	-0.5	-0.5	-0.5	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.3	-0.3	-0.3	-0.3	0.0	-0.3	-0.3	0.0	0.0	
	0	1.7	1.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	-0.7	-0.3	-0.7	-0.3	-0.7	-0.3	-0.7	-0.3	-0.3	
	15	1.3	0.7	-0.3	0.3	0.3	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	-0.7	-0.3	-0.3	0.0	0.0	-0.7	-0.3	-0.3	-0.3	
	30	1.0	0.3	-0.3	0.3	0.3	0.0	0.3	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.5	-0.5	-0.3	-0.3	0.0	-0.3	-0.5	0.3	-0.3		
	45	1.3	0.3	0.0	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.7	0.7	-0.7	-0.3	-0.7	-0.3	-0.7	-0.3	-0.7	0.3	-0.7	
15	-10	0.7	-0.7	-1.0	-0.7	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.7	-0.7	-0.7	-0.7	-0.7	-0.3	-0.3	0.0	0.0	
	0	0.8	0.2	-0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.4	0.2	0.6	0.2	0.0	0.0	0.0	0.2	-0.2	-0.2	0.0	0.0	
	15	1.5	1.0	0.3	0.0	0.3	0.3	0.0	0.5	0.3	0.5	0.3	0.5	0.3	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	30	1.0	0.0	-0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	
	45	0.5	-0.3	-0.5	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.3	0.0	-0.3	
30	-10	0.8	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.3	0.3	0.3	0.3	0.3	-0.3	-0.3	0.0	0.0	
	0	0.5	-0.3	-0.5	-0.3	-0.3	-0.5	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.0	0.0	
	15	0.3	-0.7	-1.0	-0.7	-0.7	-0.7	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.7	0.0	-0.7	0.0	-0.7	0.0	-0.7	-0.7	-0.3	-0.3	
	30	0.5	-0.3	-0.5	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	-0.3	0.3	0.3	0.3	0.3	0.3	-0.3	-0.3	0.3	-0.3	
	45	0.5	-0.3	-0.5	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	-0.3	0.0	0.5	-0.3	0.3	-0.3	-0.3	-0.3	0.5	-0.3	
45	-10	0.8	-0.3	-0.3	-0.3	-0.3	-0.5	-0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	0.5	0.5	0.5	0.5	0.5	-0.3	-0.3	0.5	-0.3	
	0	0.5	-0.3	-0.5	-0.3	-0.3	-0.5	-0.0	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.5	0.8	0.2	0.7	0.2	0.0	0.0	0.5	0.2	
	15	0.5	-0.3	-0.5	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	-0.3	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	
	30	0.7	0.2	0.0	0.2	0.3	0.0	0.3	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.8	0.2	0.7	0.2	0.0	0.0	0.5	0.2	0.2	
	45	0.8	-0.3	-0.3	-0.3	0.0	-0.5	0.0	-0.3	0.3	-0.3	0.3	-0.3	0.3	-0.3	-0.3	1.0	-0.3	0.5	0.5	-0.3	-0.3	-0.3	0.5	-0.3	



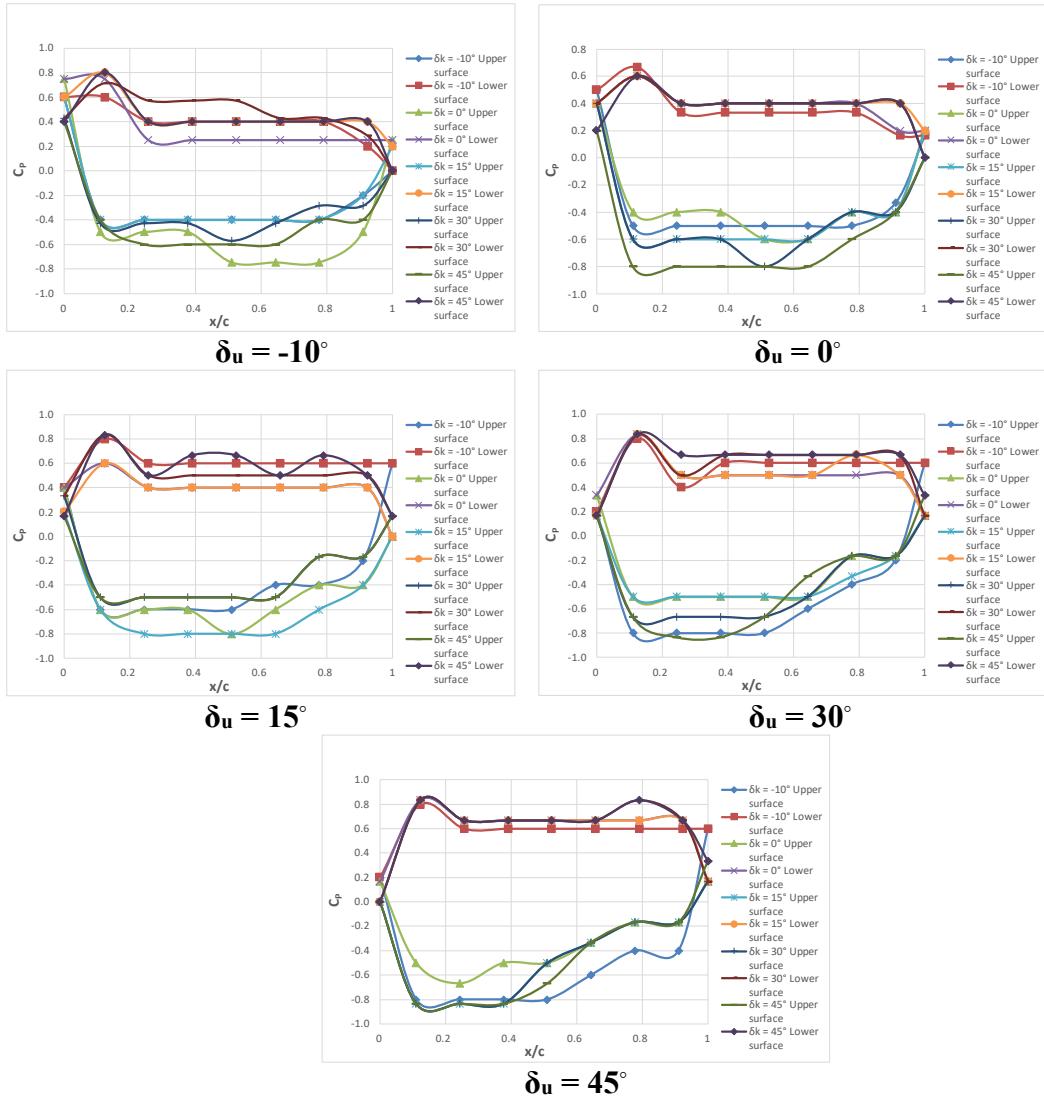
2. Sudut serang airfoil (α) 0° dan Kecepatan freestream (U_0) 6 m/s

δu ($^\circ$)	δk ($^\circ$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		$h0$	$h1$	$h2$	$h3$	$h4$	$h5$	$h6$	$h7$	$h8$	$h9$	$h10$	$h11$	$h12$	$h13$	$h14$	$h15$	$h0$	$h1$	$h2$	$h3$	$h0$	$h1$	$h2$	$h3$
-10	-10	1.0	-0.8	0.0	-0.5	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.0	-0.3	0.0	-0.3	-0.3	0.0	
	0	1.0	-0.8	0.0	-0.5	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.5	0.0	0.0	0.0	0.3	-0.3	0.0	
	15	1.0	-0.8	0.0	-0.5	0.0	-0.5	0.0	-0.3	0.3	0.0	0.3	0.0	0.3	0.3	0.0	0.3	0.3	-0.3	0.0	0.0	0.0	0.0	0.0	
	30	1.0	-0.8	0.0	-0.5	0.0	-0.5	0.3	-0.3	0.3	0.0	-0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.0	
	45	1.0	-0.8	0.3	-0.5	0.0	-0.5	0.3	-0.3	0.3	0.0	-0.3	0.3	0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.5	-0.3
	-10	1.0	-0.8	0.0	-0.3	0.0	-0.3	0.3	-0.3	0.3	0.0	-0.3	0.0	-0.5	-0.5	-0.3	0.3	0.3	-0.3	0.0	0.0	0.3	-0.3	-0.3	0.0
0	0	1.0	-0.8	0.0	-0.8	0.0	-0.5	0.0	-0.3	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.8	0.8	-0.3	0.0	0.0	0.3	-0.3	0.0	0.0
	15	1.0	-0.8	0.0	-0.8	0.0	-0.5	0.0	-0.5	0.0	-0.3	0.0	-0.3	0.3	0.0	0.0	0.3	0.5	-0.3	0.0	0.0	0.0	-0.3	0.0	0.0
	30	1.0	-1.0	0.0	-0.8	0.0	-0.8	0.0	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
	45	1.0	-1.0	0.0	-0.8	0.0	-0.8	0.0	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.5	-0.3	0.0
	-10	1.0	-0.8	0.0	-0.5	0.0	-0.3	0.0	-0.3	0.3	0.0	-0.3	0.0	-0.5	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	-0.3	0.0
	0	1.0	-1.0	0.0	-0.8	0.0	-0.5	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.8	0.8	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
15	15	1.0	-1.0	0.3	-0.8	0.0	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.8	0.0	0.0	0.0	0.0	-0.3	0.3	0.0	0.0
	30	1.0	-1.0	0.3	-0.8	0.3	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.3	-0.3	0.0	0.0	-0.5	-0.3	0.3	-0.3	-0.3
	45	1.0	-1.0	0.3	-0.8	0.3	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.8	0.8	-0.3	0.0	0.0	-0.5	0.5	-0.5	0.0
	-10	1.0	-1.0	0.0	-0.5	0.0	-0.5	0.3	-0.3	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
	0	1.0	-1.0	0.3	-0.8	0.3	-0.5	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.8	0.8	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
	30	1.0	-1.0	0.3	-0.8	0.3	-0.5	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.5	0.3	-0.3	0.0
30	-10	1.0	-1.0	0.3	-0.8	0.3	-0.5	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
	0	1.0	-1.0	0.3	-0.8	0.0	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
	15	1.0	-1.0	0.3	-0.8	0.3	-0.5	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.5	0.3	-0.3	0.0
	45	1.0	-1.3	0.3	-0.8	0.3	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.5	0.5	-0.5	0.0
	-10	1.0	-1.0	0.3	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
	0	1.0	-1.0	0.3	-0.8	0.0	-0.8	0.3	-0.5	0.3	-0.3	0.3	-0.3	0.3	0.0	0.3	0.5	0.5	-0.3	0.0	0.0	-0.3	0.3	-0.3	0.0
45	-10	1.0	-0.6	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.4	0.0	0.4	0.0	0.6	0.0	0.8	0.4	0.2	0.0	0.6	-0.2	0.0	-0.2	0.6	-0.2
	0	1.0	-0.6	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.4	0.0	0.4	0.0	0.6	0.0	0.8	0.4	0.2	0.0	0.6	-0.2	0.0	-0.2	0.6	-0.2
	15	1.0	-0.6	0.4	-0.4	0.2	-0.4	0.4	-0.2	0.4	0.0	0.6	0.0	0.6	0.4	0.4	0.0	0.6	-0.2	0.0	-0.2	0.4	0.0	0.0	
	30	1.0	-0.8	0.4	-0.4	0.2	-0.4	0.4	-0.2	0.4	0.0	0.6	0.0	0.6	0.4	0.4	0.0	0.6	-0.2	0.0	-0.2	0.4	0.0	0.0	
	45	1.0	-0.6	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.4	0.0	0.4	0.0	0.6	0.0	0.8	0.4	0.2	0.0	0.6	-0.2	0.0	-0.2	0.6	-0.2
	-10	1.0	-0.6	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.4	0.0	0.4	0.0	0.6	0.0	0.8	0.4	0.2	0.0	0.6	-0.2	0.0	-0.2	0.6	-0.2



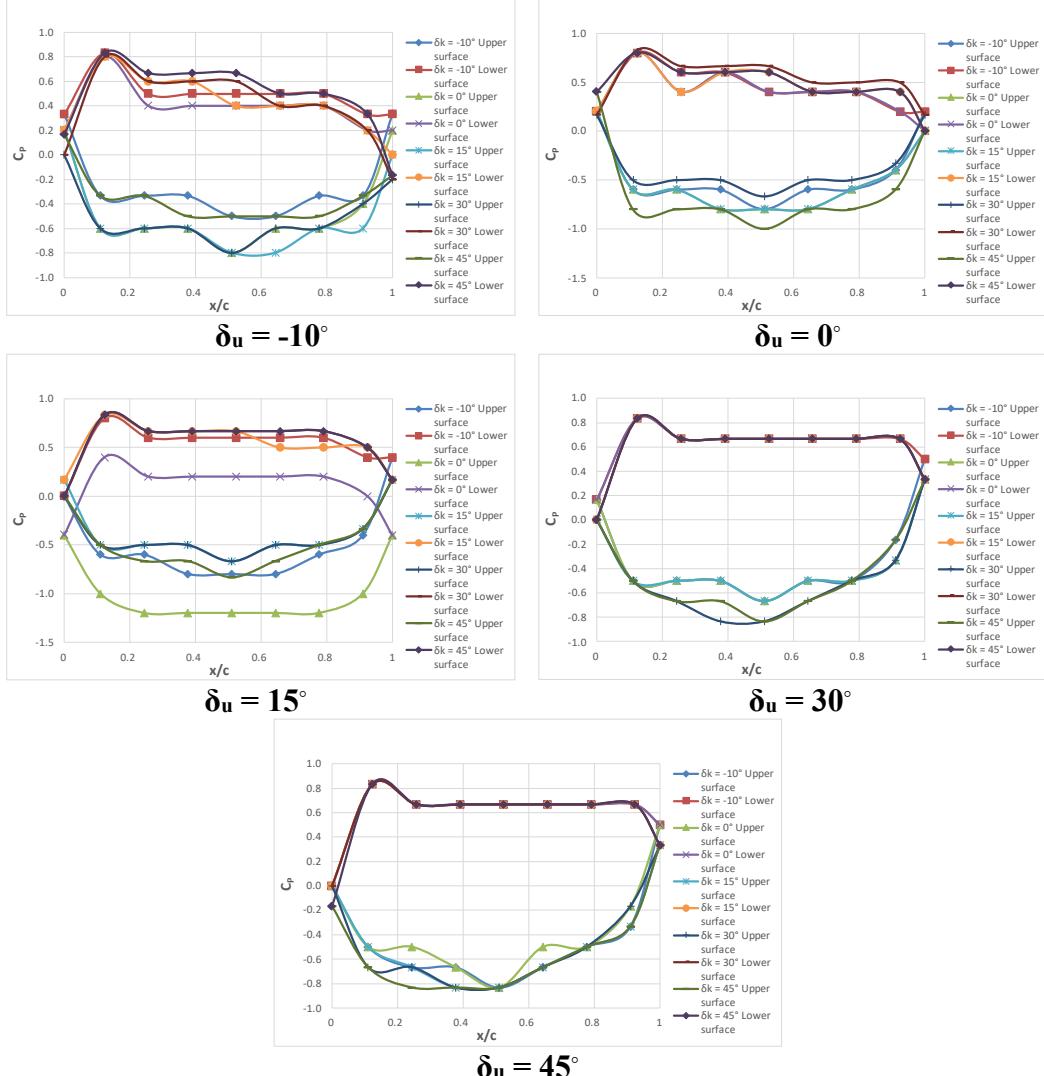
3. Sudut serang airfoil (α) 15° dan Kecepatan freestream (U_0) 6 m/s

δu ($^\circ$)	δk ($^\circ$)	NILAI CP UNTUK AIRFOIL														CP FLAP UTAMA				CP FLAP KENDALI						
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	0.6	-0.4	0.6	-0.4	0.4	-0.4	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.2	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0		
	0	0.8	-0.5	0.8	-0.5	0.3	-0.5	0.3	-0.8	0.3	-0.8	0.3	-0.8	0.3	-0.5	0.3	0.3	1.0	-0.3	-0.3	0.0	-0.3	-0.3	-0.3	-0.3	
	15	0.6	-0.4	0.8	-0.4	0.4	-0.4	0.4	-0.4	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.4	0.2	-0.2	0.0	0.0	0.2	0.0	0.2	0.4	0.0	
	30	0.4	-0.4	0.7	-0.4	0.6	-0.4	0.6	-0.6	0.6	-0.4	0.4	-0.3	0.4	-0.3	0.3	0.0	-0.1	0.0	0.0	0.1	0.0	-0.1	0.6	-0.1	
	45	0.4	-0.4	0.8	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.4	-0.4	0.4	-0.4	0.0	-0.2	0.0	0.0	0.0	-0.4	-0.4	0.8	-0.2	-0.2	
	-10	0.5	-0.5	0.7	-0.5	0.3	-0.5	0.3	-0.5	0.3	-0.5	0.3	-0.5	0.3	-0.3	0.2	0.2	-0.2	0.0	0.0	0.0	0.2	-0.2	-0.2	0.0	
0	0	0.4	-0.4	0.6	-0.4	0.4	-0.4	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.4	-0.4	0.2	0.2	0.0	0.0	0.0	-0.2	-0.2	0.0	0.0	0.0	
	15	0.4	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.4	-0.4	0.2	0.4	0.0	0.2	0.2	0.0	-0.2	0.2	0.0	0.0	
	30	0.4	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.8	0.4	-0.6	0.4	-0.4	0.4	-0.4	0.0	0.4	0.0	0.2	0.2	-0.2	0.6	-0.2	0.0	-0.2	
	45	0.2	-0.8	0.6	-0.8	0.4	-0.8	0.4	-0.8	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.4	0.0	0.2	0.0	0.0	0.0	-0.2	-0.4	0.8	-0.2	
	-10	0.4	-0.6	0.8	-0.6	0.6	-0.6	0.6	-0.6	0.6	-0.4	0.6	-0.2	0.6	-0.6	0.0	0.0	0.4	0.0	0.4	-0.2	0.0	0.0	0.0	0.0	
	0	0.4	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.8	0.4	-0.6	0.4	-0.4	0.4	-0.4	0.0	0.4	0.0	0.2	0.0	-0.2	-0.4	0.0	0.0	0.0	
15	15	0.2	-0.6	0.6	-0.8	0.4	-0.8	0.4	-0.8	0.4	-0.8	0.4	-0.6	0.4	-0.6	0.0	0.0	0.2	0.0	0.0	-0.2	-0.4	0.2	-0.2	-0.2	
	30	0.3	-0.5	0.8	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.2	0.5	-0.2	0.5	0.2	0.2	0.0	0.3	0.2	-0.2	0.5	0.0	0.0	0.0
	45	0.2	-0.5	0.8	-0.5	0.5	-0.5	0.7	-0.5	0.7	-0.5	0.5	-0.2	0.7	-0.2	0.5	0.2	0.5	0.3	0.2	-0.2	0.7	-0.2	-0.2	0.0	
	-10	0.2	-0.8	0.8	-0.8	0.4	-0.8	0.6	-0.8	0.6	-0.6	0.6	-0.4	0.6	-0.6	0.6	0.2	0.0	0.6	0.0	0.4	-0.4	0.0	0.0	0.0	
	0	0.3	-0.5	0.8	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.2	0.5	-0.2	0.5	0.2	0.0	0.5	0.2	0.2	-0.2	0.2	0.2	0.2	
	15	0.2	-0.5	0.8	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.3	0.7	-0.2	0.5	0.2	0.7	0.0	0.5	0.2	-0.2	-0.3	0.3	0.0	0.0
30	30	0.2	-0.7	0.8	-0.7	0.5	-0.7	0.7	-0.7	0.7	-0.5	0.7	-0.2	0.7	-0.2	0.7	0.2	0.5	0.0	0.5	0.2	-0.2	0.5	-0.2	0.5	-0.2
	45	0.2	-0.7	0.8	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.7	0.3	0.0	0.5	0.2	-0.2	0.3	0.7	-0.2	-0.2	
	-10	0.2	-0.8	0.8	-0.8	0.6	-0.8	0.6	-0.8	0.6	-0.6	0.6	-0.4	0.6	-0.4	0.6	0.2	-0.2	0.8	0.0	0.2	-0.4	-0.2	0.0	0.0	0.0
	0	0.2	-0.5	0.8	-0.7	0.7	-0.5	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.7	0.2	0.8	0.0	0.8	0.2	-0.2	0.2	0.2	0.2	
	15	0.0	-0.8	0.8	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.8	0.7	0.2	0.7	0.0	0.7	0.2	-0.2	-0.3	0.3	0.0
	45	0.0	-0.8	0.8	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.3	0.7	-0.2	0.8	-0.2	0.7	0.3	0.3	-0.2	0.7	0.0	-0.2	-0.3	0.7	-0.2	-0.2
45	-10	0.2	-0.8	0.8	-0.8	0.6	-0.8	0.6	-0.8	0.6	-0.6	0.6	-0.4	0.6	-0.4	0.6	0.2	-0.2	0.8	0.0	0.2	-0.4	-0.2	0.0	0.0	0.0
	0	0.2	-0.5	0.8	-0.7	0.7	-0.5	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.7	0.2	0.8	0.0	0.8	0.2	-0.2	0.2	0.2	0.2	
	15	0.2	-0.5	0.8	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.5	0.5	-0.3	0.7	-0.2	0.5	0.2	0.7	0.0	0.5	0.2	-0.2	-0.3	0.3	0.0	0.0
	30	0.0	-0.8	0.8	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.8	0.7	0.2	0.7	0.0	0.8	0.2	-0.2	-0.2	0.5	-0.2
	45	0.0	-0.8	0.8	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.3	0.7	-0.2	0.8	-0.2	0.7	0.3	0.3	-0.2	0.7	0.0	-0.2	-0.3	0.7	-0.2	-0.2
	-10	0.2	-0.8	0.8	-0.8	0.6	-0.8	0.6	-0.8	0.6	-0.6	0.6	-0.4	0.6	-0.4	0.6	0.2	-0.2	0.8	0.0	0.2	-0.4	-0.2	0.0	0.0	0.0



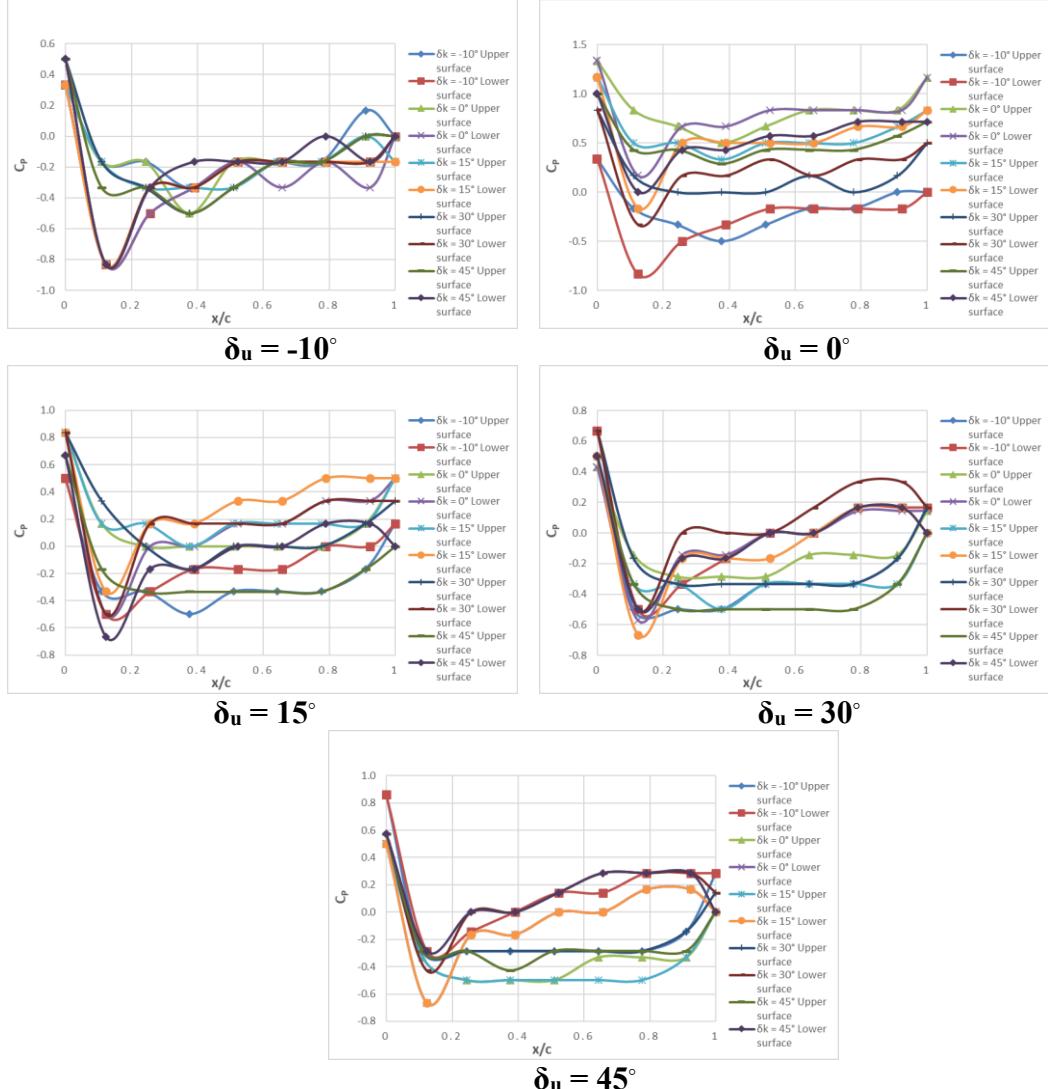
4. Sudut serang airfoil (α) 20° dan Kecepatan freestream (U_0) 6 m/s

δ_u ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	0.3	-0.3	0.8	-0.3	0.5	-0.3	0.5	-0.5	0.5	-0.5	0.5	-0.3	0.5	-0.3	0.3	0.3	-0.2	0.0	0.0	0.0	-0.2	-0.2	0.0	0.0
	0	0.2	-0.6	0.8	-0.6	0.4	-0.6	0.4	-0.8	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.2	0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	
	15	0.2	-0.6	0.8	-0.6	0.6	-0.6	0.6	-0.8	0.4	-0.8	0.4	-0.6	0.4	-0.6	0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.4	-0.4	0.2	-0.2
	30	0.0	-0.6	0.8	-0.6	0.6	-0.6	0.6	-0.8	0.6	-0.6	0.4	-0.6	0.4	-0.4	0.2	0.2	-0.2	-0.2	-0.2	-0.4	-0.4	0.4	-0.4	
	45	0.2	-0.3	0.8	-0.3	0.7	-0.5	0.7	-0.5	0.7	-0.5	0.5	-0.5	0.5	-0.3	0.3	-0.2	0.3	0.0	0.0	0.0	0.0	-0.2	0.7	-0.2
	-10	0.2	-0.6	0.8	-0.6	0.6	-0.6	0.6	-0.8	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.2	0.2	0.6	-0.2	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
0	0	0.2	-0.6	0.8	-0.6	0.4	-0.8	0.6	-0.8	0.4	-0.8	0.4	-0.6	0.4	-0.4	0.2	0.0	0.0	-0.2	0.0	-0.4	-0.4	0.0	-0.2	
	15	0.2	-0.6	0.8	-0.6	0.4	-0.8	0.6	-0.8	0.4	-0.8	0.4	-0.6	0.4	-0.4	0.4	0.0	0.2	-0.2	0.0	-0.4	-0.4	0.2	-0.2	
	30	0.2	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.7	0.5	-0.5	0.5	-0.5	0.5	-0.3	0.5	0.2	0.2	0.0	0.2	-0.3	-0.2	0.5	-0.2	
	45	0.4	-0.8	0.8	-0.8	0.6	-0.8	0.6	-1.0	0.6	-0.8	0.4	-0.8	0.4	-0.6	0.4	0.0	0.4	-0.2	0.0	0.0	-0.4	-0.4	0.6	0.0
	-10	0.0	-0.6	0.8	-0.6	0.6	-0.8	0.6	-0.8	0.6	-0.8	0.6	-0.6	0.6	-0.4	0.4	0.4	-0.2	-0.2	0.4	0.0	-0.2	-0.4	-0.2	-0.2
	0	-0.4	-1.0	0.4	-1.2	0.2	-1.2	0.2	-1.2	0.2	-1.2	0.2	-1.0	0.0	-0.4	0.0	-0.2	0.2	0.0	-0.4	-0.4	0.0	-0.2		
15	15	0.2	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.7	0.5	-0.5	0.5	-0.5	0.5	-0.3	0.5	0.2	0.3	0.0	0.3	0.0	-0.3	-0.3	0.3	-0.2
	30	0.0	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.7	0.7	-0.5	0.7	-0.5	0.7	-0.3	0.5	0.2	0.2	0.0	0.3	0.2	-0.5	-0.3	0.5	-0.2
	45	0.0	-0.5	0.8	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.5	0.2	0.0	0.3	0.2	-0.5	-0.3	0.8	-0.2	
	-10	0.2	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.7	0.7	-0.5	0.7	-0.5	0.7	-0.2	0.7	0.5	0.5	0.0	0.7	0.2	-0.2	-0.3	0.0	-0.2
	0	0.2	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.7	0.7	-0.5	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	0.0	0.5	0.2	-0.2	-0.3	0.2	0.0
	15	0.0	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.7	0.7	-0.5	0.7	-0.5	0.7	-0.3	0.7	0.3	0.3	0.0	0.5	0.2	-0.5	-0.3	0.3	-0.2
30	30	0.0	-0.5	0.8	-0.7	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.2	0.0	0.5	0.0	-0.5	-0.3	0.5	-0.2
	45	0.0	-0.5	0.8	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.3	-0.2	0.5	0.0	-0.5	-0.3	0.7	-0.3
	-10	0.0	-0.5	0.8	-0.7	0.7	-0.7	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.5	0.3	0.0	0.8	0.2	-0.3	0.0	-0.2	
	0	0.0	-0.5	0.8	-0.5	0.7	-0.7	0.7	-0.8	0.7	-0.5	0.7	-0.5	0.7	-0.2	0.7	0.5	0.7	-0.2	0.8	0.0	-0.3	0.2	-0.2	
	15	0.0	-0.5	0.8	-0.7	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.3	0.0	0.5	0.2	-0.5	-0.3	0.3	-0.2
	30	0.0	-0.7	0.8	-0.7	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.2	0.7	0.3	0.8	0.0	0.8	0.0	-0.5	-0.3	0.3	-0.2
45	45	0.0	-0.7	0.8	-0.8	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	-0.2	0.7	0.0	-0.5	-0.3	0.7	-0.3
	-10	-0.2	-0.7	0.8	-0.8	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	-0.2	0.7	0.0	-0.5	-0.3	0.7	-0.3
	0	0.0	-0.7	0.8	-0.8	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	-0.2	0.7	0.0	-0.5	-0.3	0.7	-0.3
	15	0.0	-0.7	0.8	-0.7	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	-0.2	0.8	0.0	-0.5	-0.3	0.3	-0.2
	30	0.0	-0.7	0.8	-0.7	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	-0.2	0.8	0.0	-0.5	-0.3	0.3	-0.2
	45	-0.2	-0.7	0.8	-0.8	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.7	0.3	0.8	-0.2	0.7	0.0	-0.5	-0.3	0.7	-0.3



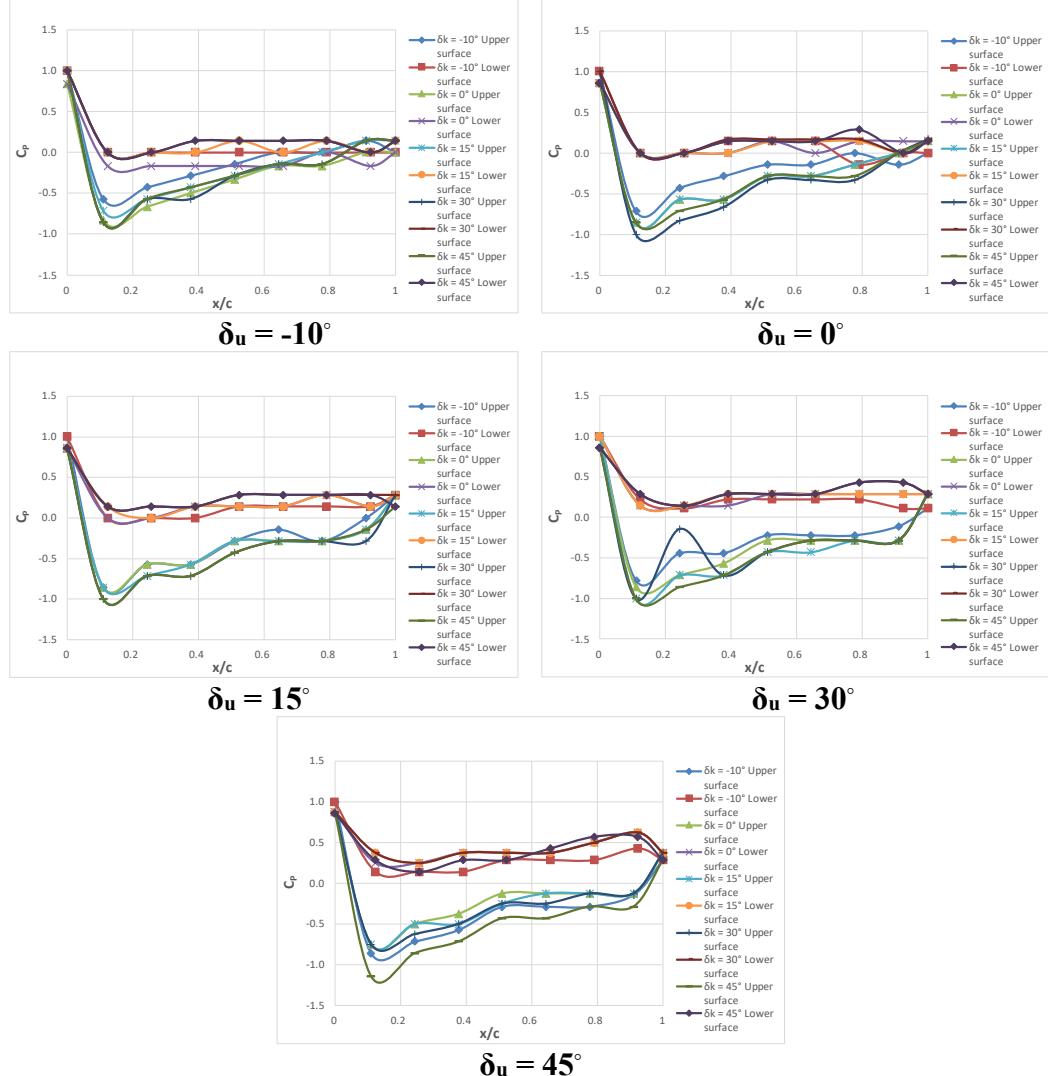
5. Sudut serang airfoil (α) -10° dan Kecepatan freestream (U_0) 9 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	0.3	-0.2	-0.8	-0.2	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	0.2	-0.2	0.0	0.0	-0.3	-0.2	0.2	-0.3	-0.3	-0.2	-0.2	
	0	0.3	-0.2	-0.8	-0.2	-0.5	-0.5	-0.3	-0.2	-0.2	-0.2	-0.3	-0.2	0.0	-0.3	0.0	-0.3	-0.2	-0.5	-0.2	0.2	-0.3	-0.3	0.0	
	15	0.3	-0.2	-0.8	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	-0.2	-0.5	-0.2	-0.3	0.0	-0.2	-0.3	-0.2	-0.2	
	30	0.5	-0.2	-0.8	-0.3	-0.3	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	0.0	-0.2	-0.3	-0.5	-0.2	-0.5	0.2	-0.5	-0.5	
	45	0.5	-0.3	-0.8	-0.3	-0.3	-0.5	-0.2	-0.3	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	0.0	-0.3	-0.3	-0.2	-0.2	-0.7	0.5	-0.5	-0.5	
0	-10	0.3	-0.2	-0.8	-0.3	-0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	0.0	-0.2	0.0	0.3	-0.3	-0.3	-0.2	0.2	-0.3	-0.3	0.0	
	0	1.3	0.8	0.2	0.7	0.7	0.5	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	1.2	-0.8	-0.2	0.3	0.0	0.0	-0.5	-0.3	0.0	
	15	1.2	0.5	-0.2	0.5	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.8	-0.5	-0.2	-0.2	0.0	-0.2	-0.2	-0.2	-0.2
	30	0.8	0.2	-0.3	0.0	0.2	0.0	0.2	0.0	0.3	0.2	0.2	0.0	0.3	0.2	0.3	0.5	-0.7	-0.3	-0.3	-0.2	-0.3	-0.5	0.0	-0.5
	45	1.0	0.4	0.0	0.4	0.4	0.3	0.4	0.4	0.6	0.4	0.6	0.4	0.7	0.6	0.7	0.7	-0.1	-0.1	0.0	-0.1	-0.4	0.4	-0.4	-0.4
15	-10	0.5	-0.3	-0.5	-0.3	-0.3	-0.5	-0.2	-0.3	-0.2	-0.3	-0.2	-0.3	-0.1	0.0	-0.2	0.0	0.5	-0.3	0.0	0.2	-0.3	-0.3	0.0	
	0	0.8	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.3	0.2	0.3	0.5	0.3	-0.3	-0.2	0.0	-0.5	-0.3	0.0	
	15	0.8	0.2	-0.3	0.2	0.2	0.0	0.2	0.3	0.2	0.3	0.2	0.5	0.2	0.5	0.5	0.2	-0.3	-0.2	-0.2	-0.2	-0.3	-0.2	-0.2	
	30	0.8	0.3	-0.5	0.0	0.2	-0.2	0.0	0.2	0.0	0.0	0.0	0.3	0.2	0.3	0.3	-0.2	-0.5	-0.2	-0.2	-0.5	-0.5	0.0	-0.3	
	45	0.7	-0.2	-0.7	-0.3	-0.2	-0.3	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.0	-0.2	-0.3	0.0	0.0	-0.3	0.5	-0.3	-0.3	
30	-10	0.7	-0.5	-0.5	-0.3	-0.2	-0.3	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.2	0.0	-0.5	0.2	-0.3	0.2	-0.5	-0.5	0.0	
	0	0.4	-0.1	-0.6	-0.3	-0.1	-0.3	-0.1	-0.3	0.0	-0.1	0.0	-0.1	0.1	0.1	0.1	0.6	-0.1	0.1	-0.1	0.1	-0.3	-0.1	0.0	
	15	0.5	-0.3	-0.7	-0.3	-0.2	-0.5	-0.2	-0.3	-0.2	-0.3	0.0	-0.3	0.2	-0.3	0.2	0.0	-0.5	-0.3	0.0	-0.3	-0.5	-0.2	-0.2	
	30	0.7	-0.2	-0.5	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3	0.3	-0.2	0.3	0.2	-0.2	0.3	-0.3	-0.3	-0.3	0.3	-0.3	
	45	0.5	-0.3	-0.5	-0.2	-0.5	-0.2	-0.5	-0.2	0.0	-0.5	0.0	-0.5	0.2	-0.3	0.2	0.0	0.5	-0.5	0.0	-0.5	-0.5	0.5	-0.5	
45	-10	0.9	-0.3	-0.3	-0.3	-0.1	-0.3	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.3	0.3	0.3	-0.3	0.4	-0.3	0.1	-0.3	-0.3	
	0	0.5	-0.3	-0.7	-0.5	-0.2	-0.5	-0.2	-0.5	0.0	-0.3	0.0	-0.3	0.2	-0.3	0.2	0.0	0.8	-0.5	0.3	-0.5	0.0	-0.5	-0.3	
	15	0.5	-0.3	-0.7	-0.5	-0.2	-0.5	-0.2	-0.5	0.0	-0.5	0.0	-0.5	0.2	-0.3	0.2	0.0	0.7	-0.5	0.3	-0.5	-0.5	-0.2	-0.2	
	30	0.6	-0.3	-0.4	-0.3	0.0	-0.3	0.0	-0.3	0.1	-0.3	0.3	-0.3	0.3	-0.1	0.3	0.1	0.7	-0.3	0.4	-0.3	-0.4	0.3	-0.3	
	45	0.6	-0.3	-0.3	-0.3	0.0	-0.4	0.0	-0.3	0.1	-0.3	0.3	-0.3	0.3	-0.3	0.0	0.9	-0.3	0.4	-0.3	-0.6	-0.4	0.4	-0.4	



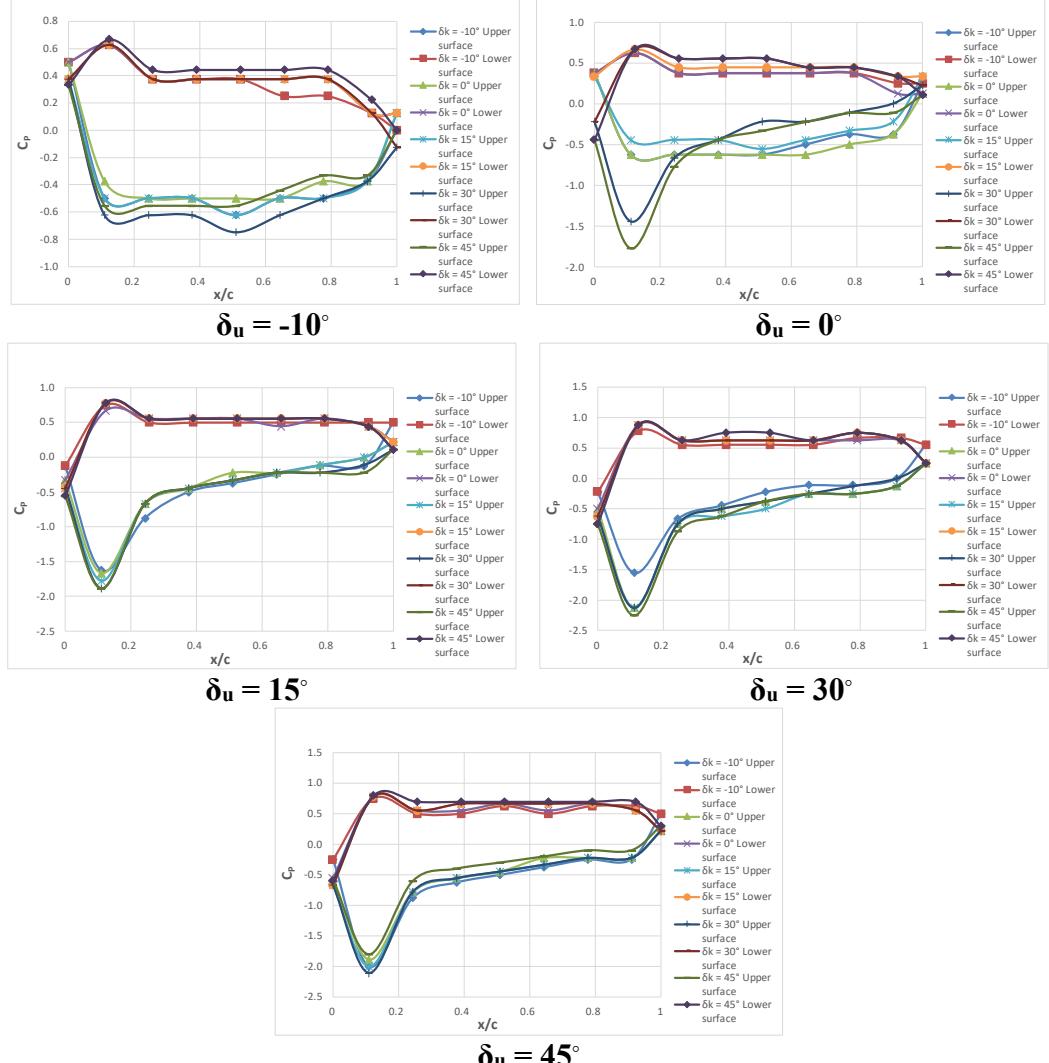
6. Sudut serang airfoil (α) 0° dan Kecepatan freestream (U_0) 9 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		$h0$	$h1$	$h2$	$h3$	$h4$	$h5$	$h6$	$h7$	$h8$	$h9$	$h10$	$h11$	$h12$	$h13$	$h14$	$h15$	$h0$	$h1$	$h2$	$h3$	$h0$	$h1$	$h2$	$h3$
-10	-10	1.0	-0.6	0.0	-0.4	0.0	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1	-0.1	-0.1	0.0
	0	0.8	-0.8	-0.2	-0.7	-0.2	-0.5	-0.2	-0.3	-0.2	-0.2	-0.2	-0.2	0.0	0.0	-0.2	0.0	0.3	-0.3	-0.3	-0.2	0.2	-0.3	-0.3	0.0
	15	1.0	-0.7	0.0	-0.6	0.0	-0.4	0.0	-0.3	0.1	-0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	-0.1	0.0	0.1	-0.3	0.1	0.0	0.0
	30	1.0	-0.9	0.0	-0.6	0.0	-0.6	0.1	-0.3	0.1	-0.1	0.1	-0.1	0.1	0.1	0.0	0.1	0.1	-0.1	-0.1	0.0	0.0	-0.3	0.3	-0.1
	45	1.0	-0.9	0.0	-0.6	0.0	-0.4	0.1	-0.3	0.1	-0.1	0.1	-0.1	0.1	0.0	0.1	0.4	0.4	-0.1	-0.3	0.0	0.0	-0.4	0.6	-0.3
	-10	1.0	-0.7	0.0	-0.4	0.0	-0.3	0.1	-0.1	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	-0.3	-0.1	0.0	0.3	-0.1	-0.1	0.0
0	0	0.9	-0.9	0.0	-0.6	0.0	-0.6	0.0	-0.3	0.1	-0.3	0.0	-0.1	0.1	0.0	0.1	0.1	0.3	0.3	-0.1	0.1	0.3	-0.3	-0.1	0.0
	15	0.9	-0.9	0.0	-0.6	0.0	-0.6	0.0	-0.3	0.1	-0.3	0.1	-0.1	0.1	0.0	0.0	0.1	-0.4	-0.1	0.0	0.0	0.0	-0.3	0.0	0.0
	30	1.0	-1.0	0.0	-0.8	0.0	-0.7	0.2	-0.3	0.2	-0.3	0.2	-0.3	0.2	0.0	0.0	0.2	0.7	-0.2	0.0	0.0	-0.3	-0.3	0.3	-0.2
	45	0.9	-0.9	0.0	-0.7	0.0	-0.6	0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	0.0	0.0	0.1	0.4	-0.1	0.0	0.0	-0.3	-0.4	0.4	-0.3
	-10	1.0	-0.9	0.0	-0.6	0.0	-0.6	0.0	-0.3	0.1	-0.1	0.1	-0.3	0.1	0.0	0.1	0.3	0.4	-0.3	0.1	0.0	0.3	-0.1	-0.1	0.0
	0	0.9	-0.9	0.0	-0.6	0.0	-0.6	0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	0.0	0.1	0.3	0.7	0.0	0.1	0.0	0.3	-0.3	-0.1	0.0
15	15	0.9	-0.9	0.1	-0.7	0.0	-0.6	0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.1	0.3	0.6	0.0	0.1	0.0	0.0	-0.3	0.1	0.0
	30	0.9	-1.0	0.1	-0.7	0.1	-0.7	0.1	-0.4	0.3	-0.3	0.3	-0.3	0.3	0.3	0.3	0.3	0.3	-0.1	0.1	0.0	-0.3	-0.3	0.3	-0.3
	45	0.9	-1.0	0.1	-0.7	0.1	-0.7	0.1	-0.4	0.3	-0.3	0.3	-0.3	0.3	-0.1	0.1	0.1	0.7	-0.1	0.1	0.0	-0.3	-0.6	0.6	-0.4
	-10	1.0	-0.8	0.2	-0.4	0.1	-0.4	0.2	-0.2	0.2	-0.2	0.2	-0.2	0.2	-0.1	0.1	0.1	0.6	-0.3	0.3	-0.2	0.3	-0.2	-0.2	0.0
	0	1.0	-0.9	0.1	-0.7	0.1	-0.6	0.1	-0.3	0.3	-0.3	0.3	-0.3	0.3	-0.3	0.3	0.6	-0.1	0.3	-0.1	0.3	-0.3	-0.1	0.0	
	15	1.0	-1.0	0.1	-0.7	0.1	-0.7	0.3	-0.4	0.3	-0.4	0.3	-0.3	0.3	-0.3	0.3	0.6	0.0	0.1	0.0	0.0	-0.6	0.0	0.0	0.0
30	30	0.9	-1.0	0.3	-0.1	0.1	-0.7	0.3	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.3	0.4	0.3	0.6	-0.1	0.3	-0.3	-0.3	0.3	-0.3	0.0
	45	0.9	-1.0	0.3	-0.9	0.1	-0.7	0.3	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.3	0.4	0.6	-0.1	0.3	-0.3	-0.6	0.4	-0.4	-0.4	0.0
	-10	1.0	-0.9	0.1	-0.7	0.1	-0.6	0.1	-0.3	0.3	-0.3	0.3	-0.3	0.3	-0.3	0.3	-0.1	0.4	0.3	0.6	-0.4	0.6	-0.1	0.3	-0.3
	0	0.9	-0.8	0.3	-0.5	0.3	-0.4	0.4	-0.1	0.4	-0.1	0.4	-0.1	0.5	-0.1	0.6	0.4	0.6	-0.1	0.6	-0.3	0.4	-0.1	0.0	0.0
	15	0.9	-0.8	0.4	-0.5	0.3	-0.5	0.4	-0.3	0.4	-0.1	0.4	-0.1	0.5	-0.1	0.6	0.4	0.5	-0.1	0.6	-0.3	0.0	-0.4	0.1	0.0
	30	0.9	-0.8	0.4	-0.6	0.3	-0.5	0.4	-0.3	0.4	-0.1	0.5	-0.1	0.6	0.4	0.4	-0.1	0.6	-0.1	0.6	-0.1	-0.3	-0.4	0.3	-0.1
	45	0.9	-1.1	0.3	-0.9	0.1	-0.7	0.3	-0.4	0.3	-0.4	0.4	-0.3	0.6	-0.3	0.6	0.3	-0.1	0.4	-0.4	-0.4	-0.7	0.4	-0.6	-0.6



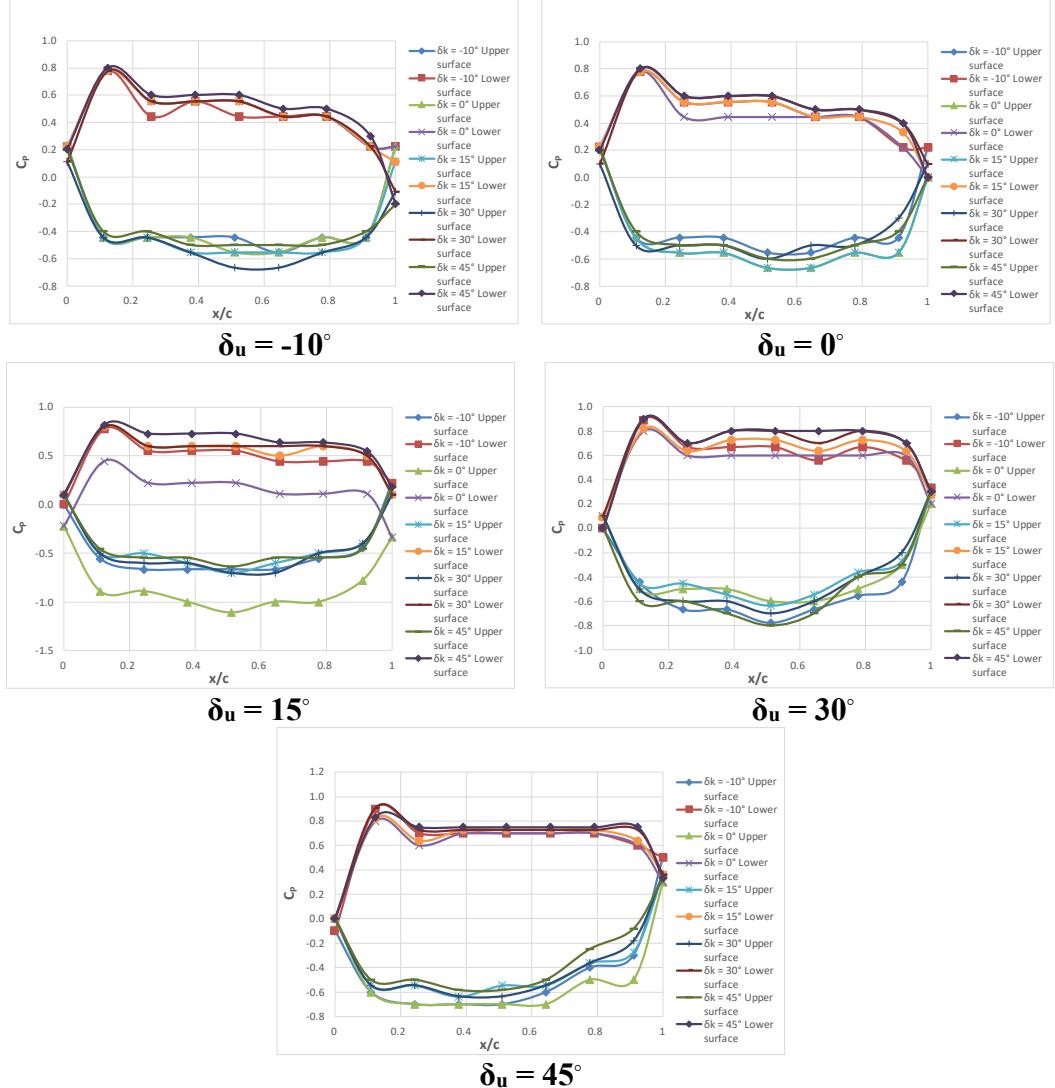
7. Sudut serang airfoil (α) 15° dan Kecepatan freestream (U_0) 9 m/s

δu (°)	δk (°)	NILAI CP UNTUK AIRFOIL													CP FLAP UTAMA				CP FLAP KENDALI							
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	0.5	-0.5	0.6	-0.5	0.4	-0.5	0.4	-0.6	0.4	-0.5	0.3	-0.5	0.3	-0.4	0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	
	0	0.5	-0.4	0.6	-0.5	0.4	-0.5	0.4	-0.6	0.4	-0.5	0.4	-0.4	0.4	-0.4	0.1	0.1	0.8	-0.1	0.0	0.1	-0.1	-0.1	0.0	0.0	
	15	0.4	-0.5	0.6	-0.5	0.4	-0.5	0.4	-0.6	0.4	-0.5	0.4	-0.5	0.4	-0.4	0.1	0.1	-0.3	0.0	0.0	0.1	-0.1	-0.3	0.3	-0.1	
	30	0.4	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.8	0.4	-0.6	0.4	-0.5	0.4	-0.4	0.1	-0.1	-0.4	-0.1	-0.1	0.0	-0.3	-0.4	0.5	-0.3	
	45	0.3	-0.6	0.7	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.4	0.4	-0.3	0.4	-0.3	0.2	0.0	-0.2	0.0	0.0	0.1	0.0	-0.4	0.7	-0.2	
	-10	0.4	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.5	0.4	-0.4	0.4	-0.4	0.3	0.3	-0.1	-0.1	0.0	0.0	0.1	-0.1	-0.1	0.0	
0	0	0.4	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.6	0.4	-0.5	0.4	-0.4	0.1	0.1	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	
	15	0.3	-0.4	0.7	-0.4	0.4	-0.4	0.4	-0.6	0.4	-0.4	0.4	-0.3	0.4	-0.2	0.3	0.3	0.3	0.1	0.1	0.2	0.0	-0.1	0.2	0.0	0.0
	30	-0.2	-1.4	0.7	-0.7	0.6	-0.4	0.6	-0.2	0.6	-0.2	0.4	-0.1	0.4	0.0	0.3	0.2	0.6	0.1	0.2	0.2	0.0	-0.1	0.6	0.0	0.0
	45	-0.4	-1.8	0.7	-0.8	0.6	-0.4	0.6	-0.3	0.6	-0.2	0.4	-0.1	0.4	-0.1	0.3	0.1	0.3	0.0	0.1	0.2	0.0	-0.3	0.7	-0.2	0.0
	-10	-0.1	-1.6	0.8	-0.9	0.5	-0.5	0.5	-0.4	0.5	-0.3	0.5	-0.1	0.5	-0.1	0.5	0.5	0.0	0.0	0.4	0.0	0.3	-0.4	-0.1	0.0	0.0
	0	-0.3	-1.7	0.7	-0.7	0.6	-0.4	0.6	-0.2	0.6	-0.2	0.4	-0.1	0.6	0.0	0.4	0.2	0.4	0.0	0.3	0.1	0.1	-0.2	0.1	0.1	0.0
15	15	-0.4	-1.8	0.8	-0.7	0.6	-0.4	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	0.0	0.4	0.2	0.1	0.0	0.3	0.1	0.0	-0.3	0.3	0.0	0.0
	30	-0.4	-1.9	0.8	-0.7	0.6	-0.4	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.4	0.1	0.2	0.0	0.3	0.1	-0.3	-0.2	0.4	-0.1	0.0	0.0	0.0
	45	-0.6	-1.9	0.8	-0.7	0.6	-0.4	0.6	-0.3	0.6	-0.2	0.6	-0.2	0.6	-0.2	0.4	0.1	0.3	0.0	0.3	0.1	-0.2	-0.4	0.7	-0.3	0.0
	-10	-0.2	-1.6	0.8	-0.7	0.6	-0.4	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.7	0.0	0.7	0.6	0.3	0.0	0.6	0.1	0.3	-0.2	0.0	0.1	0.0
	0	-0.5	-2.1	0.9	-0.8	0.6	-0.5	0.6	-0.4	0.6	-0.3	0.6	-0.3	0.6	-0.1	0.6	0.3	0.8	0.0	0.6	0.1	0.0	-0.4	0.1	0.1	0.0
	15	-0.6	-2.1	0.9	-0.8	0.6	-0.6	0.6	-0.5	0.6	-0.3	0.6	-0.3	0.8	-0.1	0.6	0.3	0.8	0.0	0.6	0.1	-0.3	-0.4	0.3	0.0	0.0
30	30	-0.6	-2.1	0.9	-0.8	0.6	-0.5	0.6	-0.4	0.6	-0.3	0.6	-0.1	0.8	0.0	0.6	0.3	0.6	-0.1	0.5	0.0	-0.4	-0.4	0.5	-0.3	0.0
	45	-0.8	-2.3	0.9	-0.9	0.6	-0.6	0.8	-0.4	0.8	-0.3	0.6	-0.3	0.8	-0.1	0.6	0.3	0.3	-0.1	0.5	0.0	-0.4	-0.5	0.8	-0.3	0.0
	-10	-0.3	-2.0	0.8	-0.9	0.5	-0.6	0.5	-0.5	0.6	-0.4	0.5	-0.3	0.6	-0.3	0.6	0.5	0.1	-0.3	0.8	-0.1	0.3	-0.4	-0.3	0.0	0.0
	0	-0.6	-1.9	0.8	-0.8	0.6	-0.6	0.6	-0.4	0.7	-0.2	0.6	-0.2	0.7	-0.2	0.6	0.2	0.7	-0.2	0.7	0.0	0.0	-0.4	0.0	0.0	0.0
	15	-0.7	-2.0	0.8	-0.8	0.6	-0.6	0.7	-0.4	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.6	0.2	0.7	-0.2	0.7	0.0	-0.2	-0.4	0.2	0.0	0.0
	30	-0.7	-2.1	0.8	-0.8	0.6	-0.6	0.7	-0.4	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.6	0.2	0.6	-0.1	0.7	0.0	-0.3	-0.3	0.4	-0.2	0.0
	45	-0.6	-1.8	0.8	-0.6	0.7	-0.4	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.7	0.3	0.2	-0.1	0.7	0.0	-0.1	-0.3	0.7	-0.2	0.0



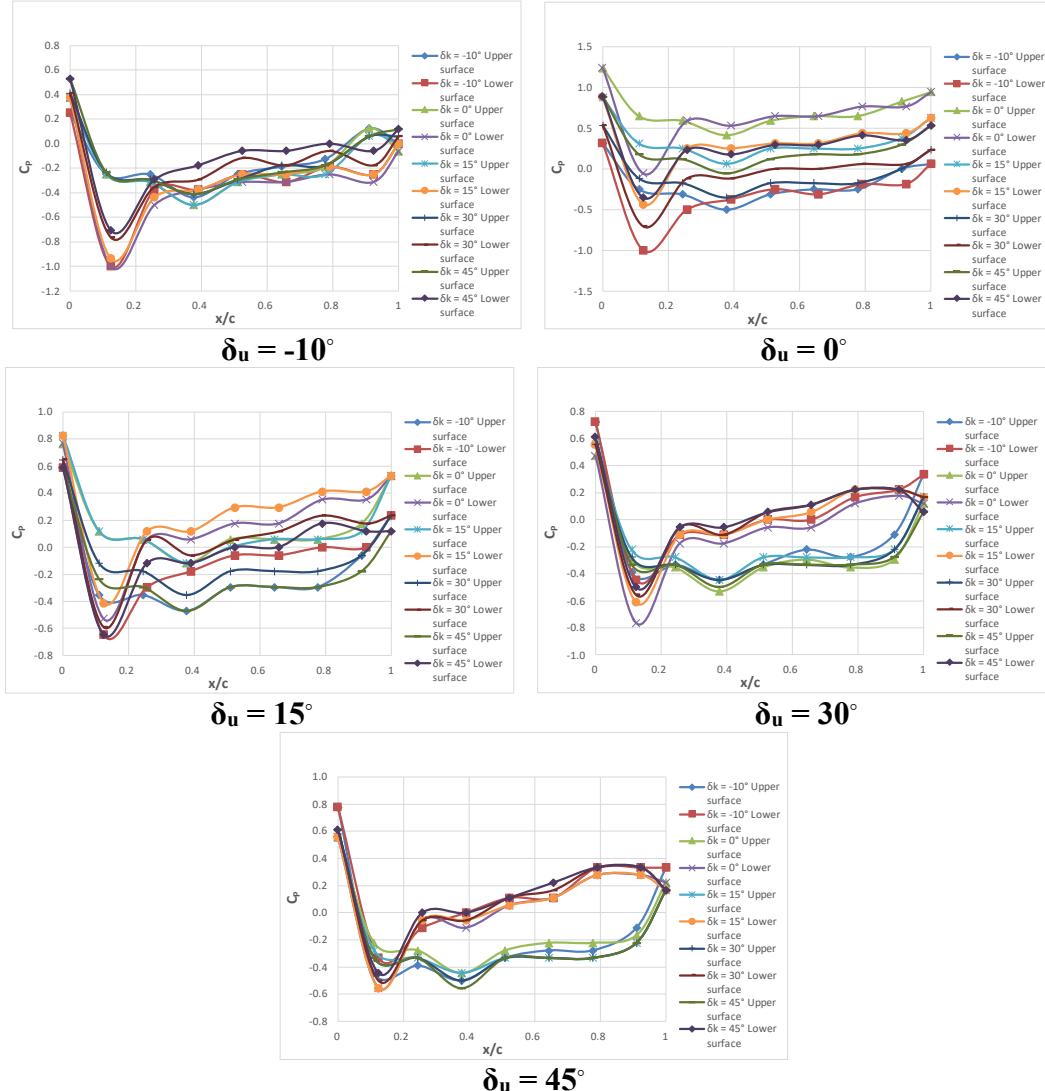
8. Sudut serang airfoil (α) 20° dan Kecepatan freestream (U_0) 9 m/s

δu (°)	δk (°)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA					CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	0.2	-0.4	0.8	-0.4	0.4	-0.4	0.6	-0.4	0.4	-0.6	0.4	-0.4	0.4	-0.4	0.2	0.2	-0.2	-0.1	0.0	0.0	-0.2	-0.2	-0.1	-0.1	
	0	0.2	-0.4	0.8	-0.4	0.6	-0.4	0.6	-0.6	0.6	-0.6	0.4	-0.4	0.4	-0.4	0.2	0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	0.0	-0.1	
	15	0.2	-0.4	0.8	-0.4	0.6	-0.6	0.6	-0.6	0.6	-0.6	0.4	-0.6	0.4	-0.4	0.2	0.1	-0.1	-0.1	-0.1	-0.3	-0.3	0.2	-0.2		
	30	0.1	-0.4	0.8	-0.4	0.6	-0.6	0.6	-0.7	0.6	-0.7	0.4	-0.6	0.4	-0.4	0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.3	-0.3	0.4	-0.2	
	45	0.2	-0.4	0.8	-0.4	0.6	-0.5	0.6	-0.5	0.6	-0.5	0.5	-0.5	0.5	-0.4	0.3	-0.2	0.2	-0.1	0.0	0.0	-0.2	-0.3	0.7	-0.2	
0	-10	0.2	-0.4	0.8	-0.4	0.6	-0.4	0.6	-0.6	0.6	-0.6	0.4	-0.4	0.4	-0.4	0.2	0.2	0.6	-0.1	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	
	0	0.2	-0.4	0.8	-0.4	0.6	-0.4	0.6	-0.4	0.7	-0.4	0.4	-0.6	0.4	-0.6	0.2	0.0	-0.1	-0.2	0.0	0.0	-0.3	-0.2	0.0	-0.1	
	15	0.2	-0.4	0.8	-0.6	0.6	-0.6	0.6	-0.7	0.6	-0.7	0.4	-0.6	0.4	-0.6	0.3	0.0	0.3	-0.1	0.0	0.0	-0.4	-0.3	0.2	-0.2	
	30	0.1	-0.5	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.6	-0.5	0.5	-0.5	0.5	-0.3	0.4	0.1	0.0	-0.1	0.1	0.0	-0.4	-0.3	0.5	-0.2	
	45	0.2	-0.4	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.6	-0.5	0.5	-0.5	0.5	-0.4	0.4	0.0	0.4	0.0	0.1	0.1	-0.2	-0.3	0.8	-0.2	
15	-10	0.0	-0.6	0.8	-0.7	0.6	-0.7	0.6	-0.7	0.6	-0.7	0.4	-0.6	0.4	-0.4	0.4	0.2	-0.2	-0.2	0.3	0.0	-0.2	-0.3	0.1	-0.1	
	0	-0.2	-0.9	0.4	-0.9	0.2	-1.0	0.2	-1.1	0.2	-1.0	0.1	-1.0	0.1	-0.8	0.1	-0.3	0.1	-0.1	0.3	0.0	-0.3	-0.3	0.1	-0.1	
	15	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.5	-0.5	0.6	-0.4	0.5	0.1	0.2	-0.1	0.3	0.1	-0.3	-0.2	0.3	-0.1	
	30	0.1	-0.5	0.8	-0.6	0.6	-0.6	0.6	-0.7	0.6	-0.7	0.5	-0.6	0.5	-0.4	0.5	0.1	0.2	-0.1	0.3	0.1	-0.4	-0.3	0.5	-0.2	
	45	0.1	-0.5	0.8	-0.5	0.7	-0.5	0.7	-0.6	0.7	-0.5	0.6	-0.5	0.6	-0.5	0.5	0.2	-0.1	0.0	0.4	0.2	-0.3	-0.2	0.7	-0.2	
30	-10	0.0	-0.4	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.7	-0.7	0.6	-0.6	0.7	-0.4	0.6	0.3	0.4	-0.2	0.6	0.0	-0.1	-0.4	0.1	-0.1	
	0	0.1	-0.5	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.6	-0.6	0.6	-0.5	0.6	-0.3	0.6	0.2	0.8	0.0	0.6	0.1	-0.3	-0.3	0.1	-0.1	
	15	0.1	-0.5	0.8	-0.5	0.6	-0.5	0.7	-0.6	0.7	-0.6	0.5	-0.5	0.6	-0.3	0.6	0.3	0.0	0.6	0.2	-0.3	-0.2	0.4	-0.1		
	30	0.1	-0.5	0.9	-0.6	0.7	-0.6	0.8	-0.7	0.8	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.3	0.7	0.0	0.6	0.2	-0.3	-0.2	0.6	-0.2	
	45	0.0	-0.6	0.9	-0.6	0.7	-0.7	0.8	-0.8	0.8	-0.7	0.8	-0.4	0.8	-0.3	0.7	0.3	0.4	-0.1	0.6	0.2	-0.4	-0.3	0.8	-0.2	
45	-10	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.7	0.6	-0.7	0.7	-0.3	0.6	0.5	0.2	-0.1	0.7	0.1	0.0	-0.4	0.1	-0.1	
	0	0.0	-0.6	0.8	-0.7	0.6	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.5	0.7	-0.5	0.6	0.3	0.6	-0.1	0.7	0.0	-0.3	-0.4	0.1	-0.1	
	15	0.0	-0.5	0.8	-0.5	0.6	-0.6	0.7	-0.5	0.6	-0.7	0.5	-0.6	0.6	-0.3	0.6	0.4	0.8	-0.1	0.7	0.1	-0.4	-0.3	0.4	-0.1	
	30	0.0	-0.5	0.9	-0.5	0.7	-0.6	0.7	-0.6	0.7	-0.5	0.7	-0.4	0.7	-0.2	0.7	0.4	0.8	-0.1	0.7	0.2	-0.4	-0.3	0.5	-0.2	
	45	0.0	-0.5	0.8	-0.5	0.8	-0.6	0.8	-0.6	0.8	-0.5	0.8	-0.3	0.8	-0.1	0.8	0.3	0.8	0.0	0.8	0.2	-0.3	-0.2	0.8	-0.2	



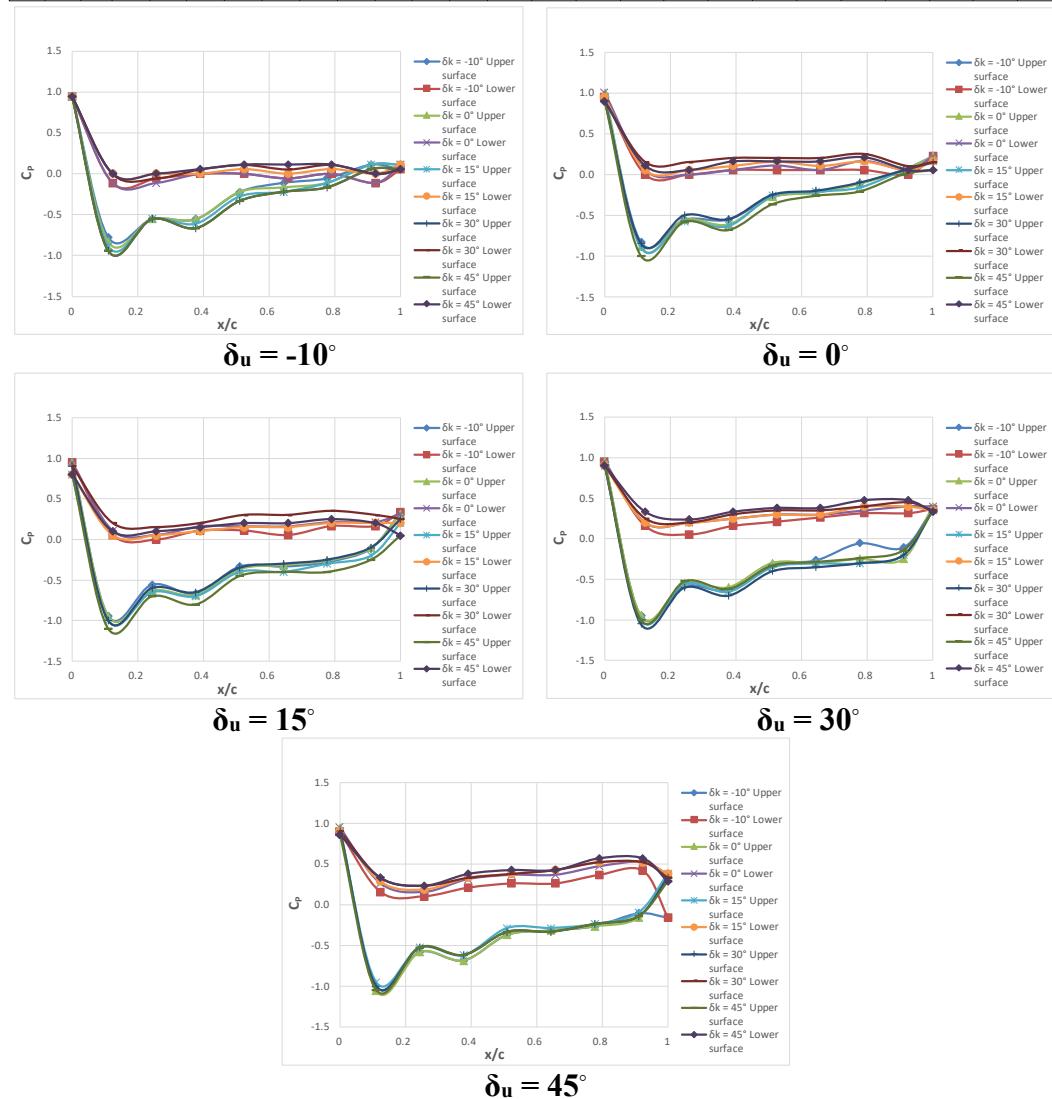
9. Sudut serang airfoil (α) -10° dan Kecepatan freestream (U_0) 15 m/s

δu ($^\circ$)	δk ($^\circ$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	0.3	-0.3	-1.0	-0.3	-0.4	-0.4	-0.3	-0.3	-0.2	-0.3	-0.1	-0.2	0.1	-0.3	0.0	0.1	-0.4	-0.4	-0.2	0.3	-0.4	-0.4	-0.1	
	0	0.4	-0.3	-1.0	-0.3	-0.5	-0.5	-0.4	-0.3	-0.3	-0.3	-0.2	-0.3	0.1	-0.3	-0.1	-0.4	-0.3	-0.5	-0.1	0.3	-0.6	-0.4	-0.1	
	15	0.4	-0.3	-0.9	-0.3	-0.4	-0.5	-0.4	-0.3	-0.3	-0.3	-0.3	-0.2	0.1	-0.3	0.0	-0.4	-0.3	-0.4	-0.1	0.0	-0.6	-0.1	-0.1	
	30	0.4	-0.2	-0.8	-0.3	-0.4	-0.4	-0.3	-0.3	-0.1	-0.2	-0.2	-0.2	-0.1	0.1	-0.2	0.1	-0.1	-0.3	-0.4	0.0	-0.2	-0.4	0.2	-0.3
	45	0.5	-0.2	-0.7	-0.3	-0.3	-0.4	-0.2	-0.3	-0.1	-0.2	-0.1	-0.2	0.0	0.1	-0.1	0.1	-0.4	-0.3	-0.4	-0.1	-0.2	-0.6	0.5	-0.5
	-10	0.3	-0.3	-1.0	-0.3	-0.5	-0.5	-0.4	-0.3	-0.3	-0.3	-0.3	-0.2	0.0	-0.2	0.1	0.3	-0.4	-0.4	-0.1	0.2	-0.4	-0.4	-0.1	
0	0	1.2	0.6	-0.1	0.6	0.6	0.4	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.9	-1.1	-0.3	0.0	0.2	-0.5	-0.3	0.0	-0.1	
	15	0.9	0.3	-0.4	0.3	0.3	0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.6	-0.6	-0.4	-0.4	0.0	-0.1	-0.6	-0.1	-0.1	
	30	0.5	-0.1	-0.7	-0.2	-0.1	-0.4	-0.1	-0.2	0.0	-0.2	0.0	-0.2	0.1	0.0	0.1	0.2	-0.9	-0.4	-0.4	0.0	-0.4	-0.5	0.1	-0.4
	45	0.9	0.2	-0.4	0.1	0.2	-0.1	0.2	0.1	0.3	0.2	0.3	0.2	0.4	0.3	0.4	0.5	-0.1	-0.3	-0.3	0.0	-0.4	-0.5	0.4	-0.5
	-10	0.6	-0.4	-0.6	-0.4	-0.3	-0.5	-0.2	-0.3	-0.1	-0.3	-0.1	-0.3	0.0	-0.1	0.0	0.2	0.4	-0.5	-0.1	0.2	-0.4	-0.4	0.0	
	0	0.8	0.1	-0.5	0.1	0.1	-0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.4	0.2	0.4	0.5	0.2	-0.4	-0.2	0.1	-0.5	-0.3	0.0	
15	15	0.8	0.1	-0.4	0.1	0.1	-0.1	0.1	0.0	0.3	0.1	0.3	0.1	0.4	0.1	0.4	0.5	0.4	-0.4	-0.1	0.0	-0.2	-0.5	-0.1	0.0
	30	0.6	-0.1	-0.6	-0.2	0.1	-0.4	-0.1	-0.2	0.1	-0.2	0.1	-0.2	0.2	-0.1	0.2	0.2	0.2	-0.4	-0.1	-0.5	-0.4	0.1	-0.3	
	45	0.6	-0.2	-0.6	-0.3	-0.1	-0.5	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.1	0.1	-0.5	-0.4	-0.1	0.0	-0.5	0.5	-0.4	
	-10	0.7	-0.4	-0.3	-0.1	-0.4	-0.1	-0.3	0.0	-0.2	0.0	-0.3	0.2	-0.1	0.2	0.3	0.0	-0.4	-0.2	-0.3	0.3	-0.4	-0.3	0.0	
	0	0.5	-0.3	-0.8	-0.4	-0.2	-0.5	-0.2	-0.4	-0.1	-0.3	-0.1	-0.4	0.1	-0.3	0.2	0.1	0.4	-0.3	0.1	-0.2	0.2	-0.5	-0.3	0.0
	15	0.6	-0.2	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.0	-0.3	0.1	-0.3	0.2	-0.2	0.2	0.3	-0.2	0.1	0.1	-0.2	-0.4	0.0	0.0	
30	30	0.6	-0.3	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.2	-0.2	0.2	0.4	-0.3	0.2	-0.3	-0.4	0.3	0.2	-0.3	
	45	0.6	-0.3	-0.5	-0.3	-0.1	-0.5	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.2	-0.2	0.2	0.1	-0.3	0.1	-0.3	-0.4	-0.4	0.4	-0.4	
	-10	0.8	-0.4	-0.3	-0.4	-0.1	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.3	0.3	0.2	-0.4	-0.3	0.2	-0.4	-0.4	-0.1	
	0	0.6	-0.2	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.1	-0.2	0.1	-0.2	0.3	-0.2	0.3	0.2	0.8	-0.4	0.4	-0.4	0.3	-0.6	-0.3	0.0
	15	0.6	-0.3	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.2	0.8	-0.4	0.4	-0.4	0.3	-0.5	-0.1	-0.1
	45	0.6	-0.3	-0.5	-0.3	-0.1	-0.5	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.2	0.6	-0.4	0.4	-0.4	-0.6	-0.5	0.1	-0.4
45	-10	0.8	-0.4	-0.3	-0.4	-0.1	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.3	0.3	0.2	-0.4	-0.3	0.2	-0.4	-0.4	-0.1	
	0	0.6	-0.2	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.1	-0.2	0.1	-0.2	0.3	-0.2	0.3	0.2	0.8	-0.4	0.4	-0.4	0.3	-0.6	-0.3	0.0
	15	0.6	-0.3	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.2	0.8	-0.4	0.4	-0.4	0.3	-0.5	-0.1	-0.1
	30	0.6	-0.3	-0.5	-0.3	-0.1	-0.5	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.2	0.6	-0.4	0.4	-0.4	-0.6	-0.5	0.1	-0.4
	45	0.6	-0.3	-0.4	-0.3	0.0	-0.6	0.0	-0.3	0.1	-0.3	0.2	-0.3	0.3	-0.2	0.3	0.2	0.8	-0.4	0.4	-0.4	-0.7	-0.6	0.4	-0.4
	-10	0.3	-0.3	-1.0	-0.3	-0.4	-0.4	-0.3	-0.3	-0.2	-0.3	-0.1	-0.2	0.1	-0.3	0.0	0.1	-0.4	-0.4	-0.2	0.3	-0.4	-0.4	-0.1	



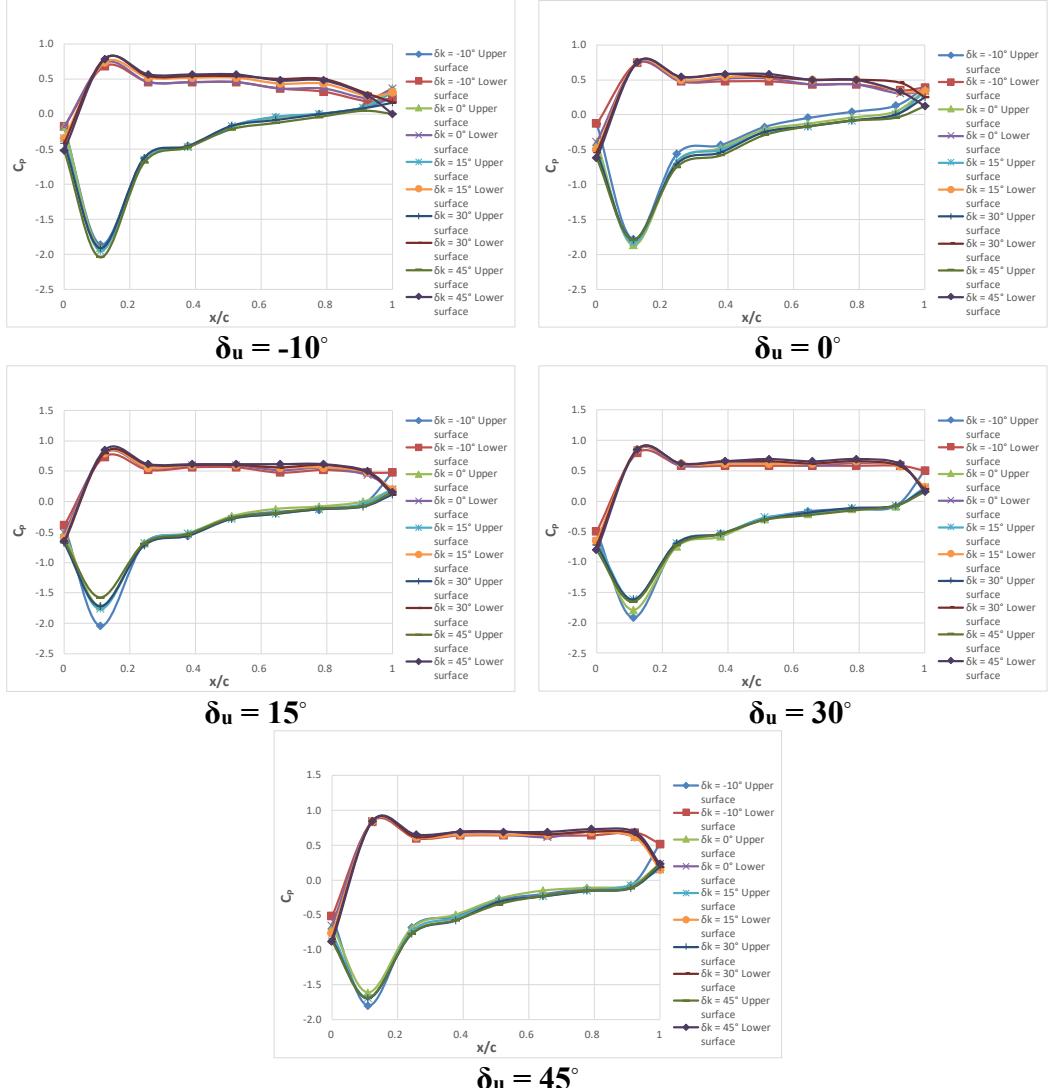
10. Sudut serang airfoil (α) 0° dan Kecepatan freestream (U_0) 15 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA					CP FLAP KENDALI						
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3			
-10	-10	0.9	-0.8	-0.1	-0.6	-0.1	-0.6	0.0	-0.2	0.0	-0.1	-0.1	0.0	0.1	-0.1	0.1	-0.2	-0.2	-0.3	0.0	0.2	-0.2	-0.3	0.1				
	0	0.9	-0.8	-0.1	-0.6	-0.1	-0.6	0.0	-0.2	0.0	-0.2	0.0	-0.1	0.0	0.1	-0.1	0.1	0.3	-0.2	-0.3	0.1	0.2	-0.3	-0.3	0.1			
	15	0.9	-0.9	0.0	-0.6	0.0	-0.6	0.0	-0.3	0.1	-0.2	0.0	-0.1	0.1	0.0	0.1	0.2	-0.3	-0.3	0.1	0.1	-0.4	0.0	0.0				
	30	0.9	-0.9	0.0	-0.6	-0.1	-0.7	0.1	-0.3	0.1	-0.2	0.1	-0.2	0.1	0.0	0.1	0.2	-0.3	-0.3	0.1	-0.2	-0.4	0.2	-0.3				
	45	0.9	-0.9	0.0	-0.6	0.0	-0.7	0.1	-0.3	0.1	-0.2	0.1	-0.2	0.1	0.0	0.1	0.4	-0.3	-0.3	0.0	-0.2	-0.5	0.5	-0.4				
	-10	0.9	-0.8	0.0	-0.6	0.0	-0.6	0.1	-0.3	0.1	-0.2	0.1	-0.1	0.1	0.0	0.2	0.1	-0.3	-0.2	0.1	0.2	-0.2	-0.2	0.1				
0	0	1.0	-0.9	0.1	-0.6	0.0	-0.6	0.1	-0.3	0.1	-0.2	0.1	-0.1	0.2	0.1	0.2	0.2	-0.2	-0.1	0.1	0.3	-0.3	-0.2	0.1				
	15	0.9	-0.9	0.1	-0.6	0.1	-0.6	0.1	-0.3	0.2	-0.2	0.1	-0.2	0.2	0.1	0.2	0.2	-0.5	-0.2	-0.1	0.1	0.0	-0.3	0.0				
	30	0.9	-0.9	0.2	-0.5	0.2	-0.6	0.2	-0.3	0.2	-0.2	0.2	-0.1	0.3	0.1	0.2	0.6	-0.1	0.0	0.1	-0.3	-0.2	0.3	-0.1				
	45	0.9	-1.0	0.1	-0.6	0.1	-0.7	0.2	-0.4	0.2	-0.3	0.2	-0.2	0.2	0.0	0.1	0.7	-0.2	-0.1	0.1	-0.5	-0.5	0.5	-0.4				
	-10	0.9	-0.9	0.1	-0.6	0.0	-0.7	0.1	-0.3	0.1	-0.2	0.1	-0.1	0.1	0.0	0.2	0.1	-0.3	-0.2	0.1	0.3	-0.3	-0.3	0.1				
	0	0.9	-0.9	0.1	-0.6	0.1	-0.7	0.2	-0.4	0.2	-0.3	0.2	-0.2	0.2	0.1	0.2	0.3	-0.5	-0.1	0.1	0.0	0.3	-0.4	-0.2	0.1			
15	15	0.8	-1.0	0.1	-0.7	0.1	-0.7	0.1	-0.4	0.2	-0.4	0.2	-0.3	0.2	-0.2	0.2	0.2	0.6	-0.1	0.1	0.0	-0.3	0.1	0.0				
	30	0.9	-1.0	0.2	-0.6	0.2	-0.7	0.2	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.1	0.3	0.3	0.6	-0.1	0.1	0.1	-0.3	0.3	-0.2				
	45	0.8	-1.1	0.1	-0.7	0.1	-0.8	0.2	-0.5	0.2	-0.4	0.2	-0.4	0.3	-0.3	0.2	0.1	0.8	-0.1	0.1	0.1	-0.4	0.5	-0.4				
	-10	0.9	-0.9	0.2	-0.6	0.1	-0.6	0.2	-0.3	0.2	-0.3	0.3	-0.1	0.3	-0.1	0.3	0.4	0.6	-0.3	0.3	-0.2	0.3	-0.3	0.3				
	0	1.0	-1.0	0.2	-0.6	0.2	-0.6	0.3	-0.3	0.3	-0.3	0.3	-0.3	0.4	-0.3	0.4	0.4	0.8	-0.1	0.3	-0.2	0.3	-0.4	-0.2	0.1			
	15	0.9	-1.0	0.2	-0.6	0.2	-0.7	0.3	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.2	0.4	0.4	0.8	-0.1	0.3	-0.2	0.0	-0.4	0.1	0.0			
30	30	0.9	-1.1	0.3	-0.6	0.2	-0.7	0.3	-0.4	0.4	-0.4	0.4	-0.4	0.4	-0.2	0.5	0.4	0.8	-0.2	0.3	-0.3	0.3	-0.3	0.3				
	45	0.9	-1.0	0.3	-0.5	0.2	-0.6	0.3	-0.3	0.4	-0.3	0.4	-0.2	0.5	-0.1	0.5	0.3	0.6	-0.1	0.5	-0.3	-0.3	0.2	-0.2				
	-10	0.9	-1.0	0.2	-0.6	0.1	-0.7	0.2	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.1	0.4	-0.2	0.6	-0.4	0.5	-0.2	0.3	-0.4	-0.4	0.0			
	0	0.9	-1.1	0.3	-0.6	0.2	-0.7	0.3	-0.4	0.4	-0.3	0.4	-0.3	0.5	-0.2	0.5	0.4	0.5	-0.3	0.5	-0.4	0.2	-0.4	-0.3	0.0			
	15	0.9	-1.0	0.3	-0.5	0.2	-0.6	0.3	-0.3	0.4	-0.3	0.4	-0.2	0.5	-0.1	0.5	0.4	0.4	-0.2	0.6	-0.3	0.0	-0.4	0.0	0.0			
	45	0.9	-1.0	0.3	-0.5	0.2	-0.6	0.4	-0.3	0.4	-0.3	0.4	-0.2	0.6	-0.1	0.6	0.3	0.1	-0.2	0.5	-0.3	-0.5	0.5	0.5	-0.5			
45	-10	0.9	-0.9	0.1	-0.6	0.0	-0.7	0.1	-0.3	0.1	-0.2	0.1	-0.1	0.1	0.0	0.2	0.1	-0.3	-0.2	0.1	0.3	-0.3	-0.3	0.1				
	0	0.9	-0.9	0.1	-0.6	0.1	-0.7	0.2	-0.4	0.2	-0.3	0.2	-0.2	0.2	-0.1	0.2	0.2	-0.5	-0.1	0.1	0.0	0.3	-0.4	-0.2	0.1			
	15	0.8	-1.0	0.1	-0.7	0.1	-0.7	0.1	-0.4	0.2	-0.4	0.2	-0.3	0.2	-0.2	0.2	0.2	0.6	-0.1	0.1	0.0	-0.3	0.1	0.0				
	30	0.9	-1.0	0.2	-0.6	0.2	-0.7	0.2	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.1	0.3	0.3	0.6	-0.1	0.1	0.1	-0.3	0.3	-0.2				
	45	0.8	-1.1	0.1	-0.7	0.1	-0.8	0.2	-0.5	0.2	-0.4	0.2	-0.4	0.3	-0.3	0.2	0.1	0.8	-0.1	0.1	0.1	-0.4	0.5	-0.4				
	-10	0.9	-1.0	0.2	-0.6	0.1	-0.7	0.2	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.1	0.4	-0.2	0.6	-0.4	0.5	-0.2	0.3	-0.4	-0.4	0.0			



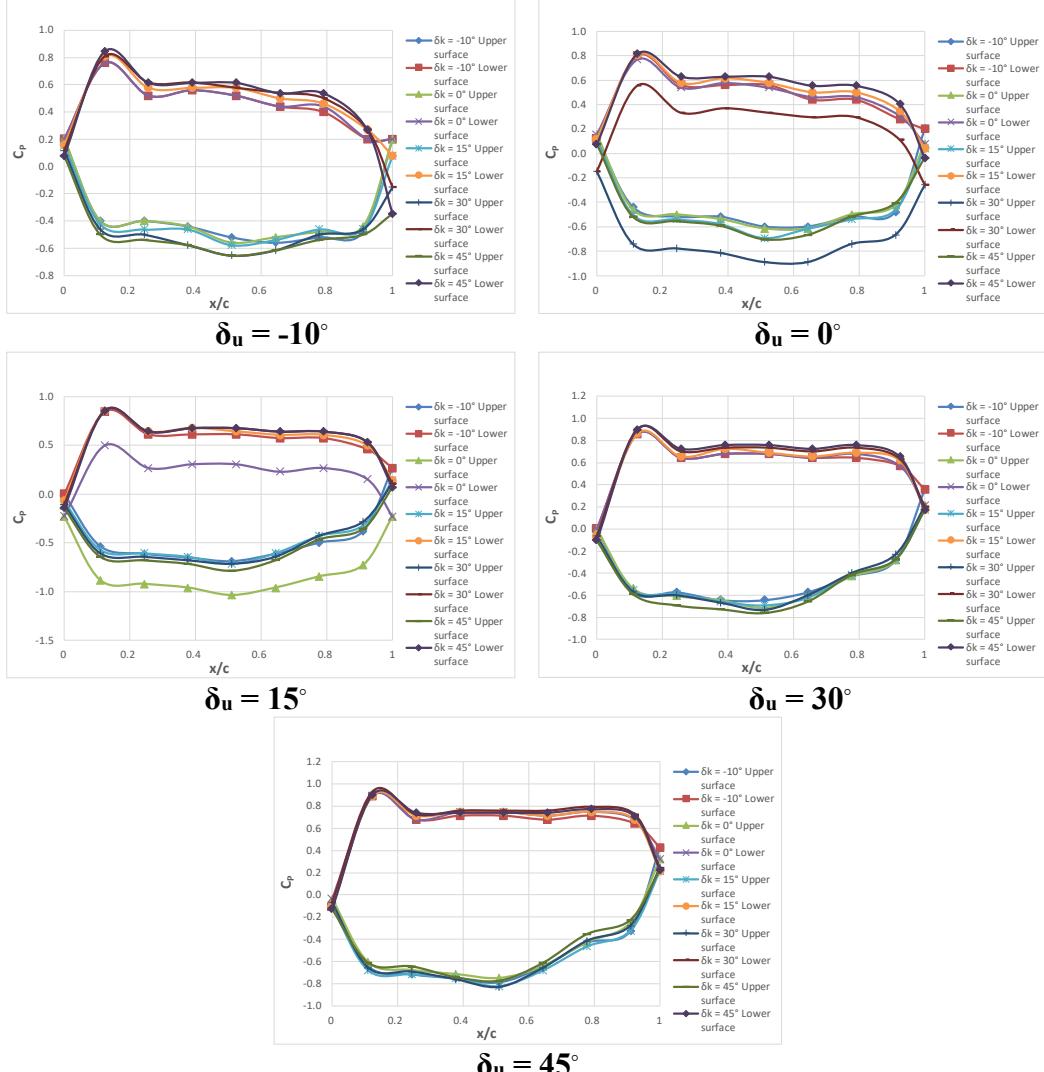
11. Sudut serang airfoil (α) 15° dan Kecepatan freestream (U_0) 15 m/s

δu (°)	δk (°)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	-0.2	-1.9	0.7	-0.6	0.5	-0.5	0.5	-0.2	0.5	0.0	0.4	0.0	0.3	0.1	0.2	0.2	0.0	0.0	0.0	0.2	0.3	-0.1	0.0	0.1
	0	-0.2	-1.9	0.7	-0.6	0.5	-0.5	0.5	-0.2	0.5	0.0	0.4	0.0	0.4	0.1	0.2	0.4	0.7	0.0	0.0	0.2	0.2	-0.2	0.0	0.1
	15	-0.3	-2.0	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	0.0	0.4	0.0	0.4	0.1	0.3	0.3	-0.2	0.0	0.0	0.2	0.2	-0.2	0.3	0.0
	30	-0.4	-1.9	0.8	-0.6	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.5	0.0	0.5	0.1	0.3	0.2	-0.2	0.0	0.1	0.2	0.0	-0.2	0.5	0.0
	45	-0.5	-2.0	0.8	-0.7	0.6	-0.5	0.6	-0.2	0.6	-0.1	0.5	0.0	0.5	0.0	0.3	0.0	-0.3	0.0	0.0	0.1	0.0	-0.3	0.7	-0.3
0	-10	-0.1	-1.8	0.7	-0.6	0.5	-0.4	0.5	-0.2	0.5	0.0	0.4	0.0	0.4	0.1	0.3	0.4	0.0	0.0	0.2	0.2	0.3	-0.1	0.0	0.2
	0	-0.4	-1.9	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.0	0.3	0.3	0.0	0.0	0.1	0.1	0.2	-0.2	0.1	0.1
	15	-0.5	-1.8	0.8	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.5	0.0	0.3	0.3	0.3	0.3	0.0	0.1	0.2	0.0	-0.2	0.3	0.0	0.0
	30	-0.5	-1.8	0.8	-0.7	0.5	-0.5	0.6	-0.3	0.5	-0.2	0.5	-0.1	0.5	0.0	0.5	0.5	0.0	0.1	0.2	-0.1	-0.2	0.5	0.0	0.0
	45	-0.6	-1.8	0.8	-0.8	0.5	-0.6	0.6	-0.3	0.6	-0.2	0.5	-0.1	0.5	0.0	0.3	0.1	0.5	0.0	0.1	0.2	-0.2	0.3	0.7	-0.3
15	-10	-0.4	-2.0	0.7	-0.7	0.5	-0.6	0.6	-0.3	0.6	-0.2	0.5	-0.1	0.5	0.0	0.5	0.5	0.1	0.0	0.4	0.0	-0.3	0.0	0.0	0.1
	0	-0.5	-1.7	0.8	-0.7	0.6	-0.5	0.6	-0.2	0.6	-0.1	0.5	-0.1	0.6	0.0	0.4	0.2	0.2	0.0	0.4	0.2	0.0	-0.3	0.1	0.2
	15	-0.6	-1.8	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	0.0	0.5	0.2	-0.1	0.0	0.4	0.2	-0.1	-0.3	0.3	0.0
	30	-0.7	-1.7	0.8	-0.7	0.6	-0.6	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.5	0.1	0.1	0.0	0.4	0.2	-0.4	-0.2	0.5	-0.1
	45	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.5	0.2	0.2	0.0	0.3	0.2	-0.3	0.7	-0.2	0.0
30	-10	-0.5	-1.9	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.6	0.5	0.3	-0.1	0.5	0.0	0.3	-0.3	0.0	0.1
	0	-0.7	-1.8	0.8	-0.8	0.6	-0.6	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.6	0.2	0.7	0.0	0.5	0.1	0.0	-0.4	0.1	0.1
	15	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.6	0.2	0.5	0.0	0.5	0.1	-0.2	-0.3	0.3	0.0
	30	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.2	0.4	0.0	0.5	0.1	-0.3	-0.2	0.5	-0.1
	45	-0.8	-1.7	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.6	-0.1	0.6	0.2	0.3	0.1	0.5	0.1	-0.4	0.3	0.7	-0.2
45	-10	-0.5	-1.8	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.7	0.5	0.2	-0.2	0.7	-0.2	0.2	-0.3	0.1	0.1
	0	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.2	0.6	-0.1	0.7	0.0	0.0	-0.3	0.1	0.2
	15	-0.8	-1.7	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.6	0.2	0.6	-0.1	0.7	0.0	0.0	-0.2	0.4	0.3
	30	-0.8	-1.7	0.8	-0.8	0.6	-0.6	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.7	0.2	0.6	-0.1	0.7	0.0	0.0	-0.3	0.2	0.5
	45	-0.9	-1.7	0.8	-0.8	0.7	-0.6	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.7	0.2	0.2	-0.2	0.7	-0.1	-0.3	0.7	-0.2	0.0



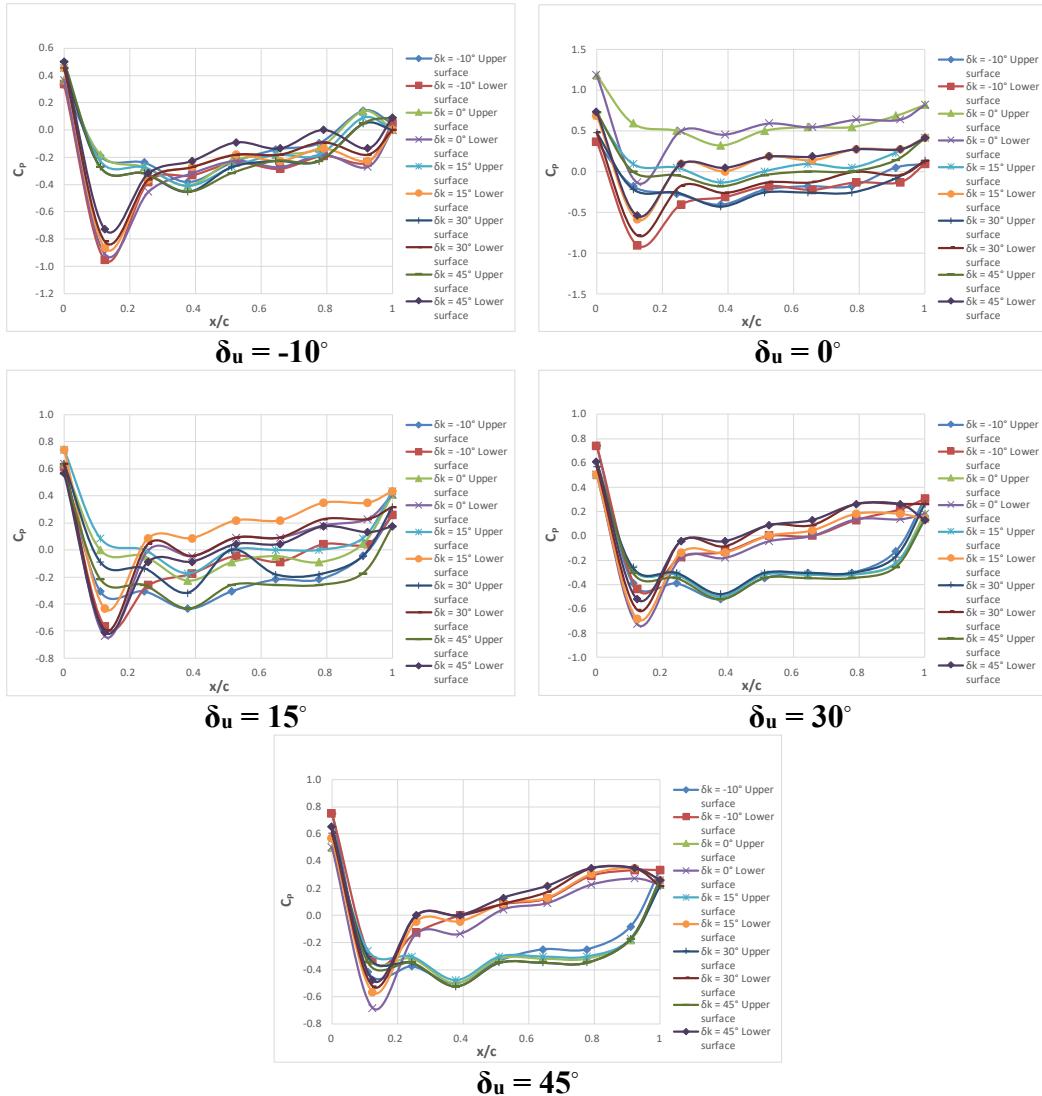
12. Sudut serang airfoil (α) 20° dan Kecepatan freestream (U_0) 15 m/s

δ_u ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	0.2	-0.4	0.8	-0.4	0.5	-0.4	0.6	-0.5	0.5	-0.6	0.4	-0.5	0.4	-0.5	0.2	0.2	-0.2	-0.2	-0.1	-0.3	-0.3	-0.2	-0.1	
	0	0.2	-0.4	0.8	-0.4	0.5	-0.4	0.6	-0.6	0.5	-0.5	0.4	-0.5	0.4	-0.4	0.2	0.2	-0.2	-0.2	-0.1	-0.1	-0.3	-0.2	0.0	-0.1
	15	0.2	-0.4	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.6	-0.5	0.5	-0.5	0.5	-0.5	0.3	0.1	-0.1	-0.1	-0.1	-0.3	-0.2	0.3	-0.1	
	30	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.3	-0.2	-0.2	-0.1	-0.1	-0.1	-0.3	-0.3	0.5	-0.2
	45	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.3	-0.3	0.2	-0.2	-0.1	-0.3	-0.3	0.7	-0.3	
	-10	0.1	-0.4	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.6	-0.6	0.4	-0.5	0.4	-0.5	0.3	0.2	0.4	-0.2	0.0	-0.1	-0.3	-0.2	-0.1	
0	0	0.2	-0.5	0.8	-0.5	0.5	-0.5	0.6	-0.6	0.5	-0.6	0.5	-0.5	0.5	-0.4	0.3	0.1	-0.2	-0.1	0.1	0.0	-0.3	-0.2	0.0	-0.1
	15	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.3	0.0	0.3	-0.1	0.1	0.0	-0.4	-0.3	0.3	-0.2
	30	-0.1	-0.7	0.6	-0.8	0.3	-0.8	0.4	-0.9	0.3	-0.9	0.3	-0.7	0.3	-0.7	0.1	-0.3	-0.1	0.1	0.0	-0.4	-0.3	0.5	-0.1	
	45	0.1	-0.5	0.8	-0.6	0.6	-0.6	0.6	-0.7	0.6	-0.7	0.6	-0.5	0.6	-0.4	0.4	0.0	0.4	-0.1	0.1	0.0	-0.3	-0.3	0.7	-0.2
	-10	0.0	-0.5	0.8	-0.6	0.6	-0.7	0.6	-0.7	0.6	-0.6	0.6	-0.5	0.6	-0.4	0.5	0.3	-0.2	0.3	0.0	-0.2	-0.3	-0.1	0.1	
	0	-0.2	-0.9	0.5	-0.9	0.3	-1.0	0.3	-1.0	0.3	-1.0	0.2	-0.8	0.3	-0.7	0.2	-0.2	0.1	-0.1	0.3	0.1	-0.3	-0.3	0.1	-0.1
15	15	-0.1	-0.6	0.9	-0.6	0.6	-0.6	0.7	-0.7	0.6	-0.6	0.6	-0.4	0.6	-0.3	0.5	0.1	0.0	0.0	0.4	0.1	-0.3	-0.2	0.3	-0.1
	30	-0.1	-0.6	0.9	-0.6	0.6	-0.7	0.7	-0.7	0.7	-0.6	0.6	-0.4	0.6	-0.3	0.5	0.1	0.2	0.0	0.4	0.1	-0.3	-0.2	0.5	-0.1
	45	-0.1	-0.6	0.9	-0.7	0.6	-0.7	0.7	-0.8	0.7	-0.7	0.6	-0.5	0.6	-0.4	0.5	0.1	-0.3	-0.1	0.4	0.1	-0.4	-0.3	0.7	-0.2
	-10	0.0	-0.6	0.9	-0.6	0.6	-0.6	0.7	-0.6	0.7	-0.6	0.6	-0.4	0.6	-0.3	0.6	0.4	0.4	-0.1	0.6	0.1	-0.1	-0.2	0.0	0.0
	0	0.0	-0.5	0.9	-0.6	0.6	-0.6	0.7	-0.7	0.7	-0.6	0.6	-0.4	0.7	-0.3	0.6	0.2	0.5	0.0	0.6	0.1	-0.3	-0.3	0.1	0.0
	15	-0.1	-0.6	0.9	-0.6	0.6	-0.7	0.7	-0.7	0.7	-0.6	0.7	-0.4	0.7	-0.3	0.6	0.2	0.2	0.0	0.6	0.1	-0.3	-0.2	0.3	-0.1
30	30	-0.1	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.7	-0.4	0.7	-0.3	0.6	0.2	0.4	-0.1	0.6	0.1	-0.3	-0.2	0.5	-0.1
	45	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.8	-0.8	0.8	-0.7	0.7	-0.4	0.8	-0.3	0.7	0.2	0.2	-0.1	0.6	0.1	-0.4	-0.3	0.7	-0.2
	-10	0.0	-0.5	0.9	-0.7	0.7	-0.7	0.8	-0.8	0.7	-0.7	0.7	-0.4	0.7	-0.3	0.6	0.2	0.5	0.0	0.6	0.1	-0.3	-0.3	0.1	0.0
	0	0.0	-0.6	0.9	-0.7	0.7	-0.7	0.8	-0.8	0.8	-0.7	0.7	-0.4	0.8	-0.3	0.7	0.3	0.8	-0.1	0.8	0.1	-0.3	-0.1	0.1	-0.1
	15	-0.1	-0.7	0.9	-0.7	0.7	-0.8	0.8	-0.8	0.8	-0.7	0.7	-0.5	0.8	-0.3	0.7	0.2	0.4	-0.1	0.8	0.1	-0.4	-0.3	0.3	-0.2
	45	-0.1	-0.7	0.9	-0.7	0.7	-0.8	0.8	-0.8	0.8	-0.7	0.8	-0.4	0.8	-0.3	0.7	0.2	0.8	-0.1	0.7	0.1	-0.4	-0.3	0.6	-0.2
45	-10	0.0	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	-0.1	0.7	0.1	-0.5	-0.3	0.7	-0.2
	0	0.0	-0.5	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	-0.1	0.7	0.1	-0.5	-0.3	0.7	-0.2
	15	0.0	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	-0.1	0.7	0.1	-0.5	-0.3	0.7	-0.2
	30	0.0	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	-0.1	0.7	0.1	-0.5	-0.3	0.7	-0.2
	45	0.0	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	-0.1	0.7	0.1	-0.5	-0.3	0.7	-0.2
	-10	0.0	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	-0.1	0.7	0.1	-0.5	-0.3	0.7	-0.2



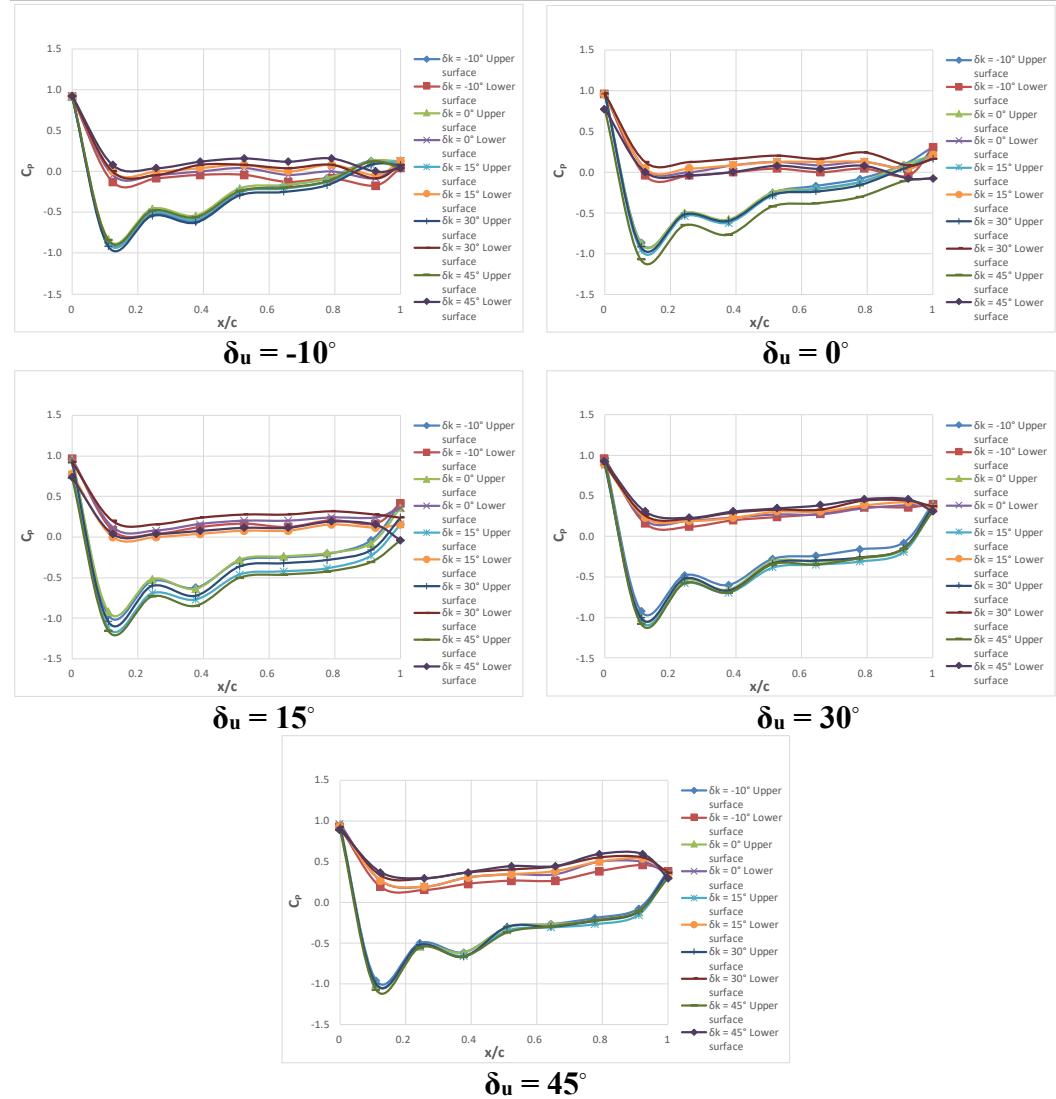
13. Sudut serang airfoil (α) -10° dan Kecepatan freestream (U_0) 17 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL													CP FLAP UTAMA				CP FLAP KENDALI						
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	0.3	-0.2	-1.0	-0.2	-0.4	-0.4	-0.3	-0.2	-0.2	-0.1	-0.3	-0.1	-0.2	0.1	-0.2	0.0	0.1	-0.3	-0.4	-0.1	0.3	-0.4	-0.3	0.0
	0	0.4	-0.2	-0.9	-0.3	-0.5	-0.4	-0.3	-0.2	-0.2	-0.2	-0.3	-0.1	-0.2	0.1	-0.3	0.0	-0.3	-0.2	-0.4	0.0	0.3	-0.5	-0.3	0.0
	15	0.5	-0.2	-0.9	-0.3	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	0.1	-0.2	0.0	-0.3	-0.3	-0.4	0.0	0.1	-0.5	-0.1	0.0
	30	0.5	-0.3	-0.8	-0.3	-0.4	-0.5	-0.3	-0.3	-0.2	-0.2	-0.2	-0.1	-0.1	0.0	-0.2	0.0	-0.1	-0.3	-0.4	0.0	-0.5	0.1	-0.3	0.0
	45	0.5	-0.3	-0.7	-0.3	-0.3	-0.5	-0.2	-0.3	-0.1	-0.2	-0.1	-0.2	0.0	0.0	-0.1	0.1	-0.2	-0.3	-0.4	0.0	-0.3	-0.7	0.5	-0.5
	-10	0.4	-0.2	-0.9	-0.3	-0.4	-0.4	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	0.0	-0.1	0.1	0.3	-0.4	-0.3	0.0	0.2	-0.4	-0.4	0.0
0	0	1.2	0.6	-0.1	0.5	0.5	0.3	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.6	0.8	-0.8	-0.3	-0.4	0.0	0.3	-0.5	-0.3	0.0
	15	0.7	0.1	-0.6	0.0	0.1	-0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.2	0.3	0.4	-0.5	-0.3	-0.3	0.0	-0.5	-0.1	0.0	0.0
	30	0.5	-0.2	-0.8	-0.3	-0.2	-0.4	-0.3	-0.3	-0.1	-0.3	-0.1	-0.3	0.0	-0.1	0.0	0.1	-0.7	-0.3	-0.3	0.0	-0.3	-0.4	0.1	-0.3
	45	0.7	0.0	-0.5	0.0	0.1	-0.2	0.0	0.0	0.2	0.0	0.2	0.0	0.3	0.1	0.3	0.4	0.0	-0.4	-0.3	0.0	-0.4	-0.5	0.4	-0.5
	-10	0.6	-0.3	-0.6	-0.3	-0.3	-0.4	-0.2	-0.3	0.0	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.3	0.3	-0.4	0.0	0.0	0.3	-0.3	-0.3	0.0
	0	0.6	0.0	-0.6	0.0	0.0	-0.2	0.0	-0.1	0.1	0.0	0.1	-0.1	0.2	0.0	0.2	0.4	0.2	-0.3	-0.1	0.0	0.2	-0.5	-0.3	0.0
15	15	0.7	0.1	-0.4	0.0	0.1	-0.2	0.1	0.0	0.2	0.0	0.2	0.0	0.3	0.1	0.3	0.4	0.4	-0.3	-0.1	0.0	-0.1	-0.4	0.0	0.0
	30	0.6	-0.1	-0.6	-0.1	0.0	-0.3	0.0	0.0	0.1	-0.2	0.1	-0.2	0.2	0.0	0.2	0.3	0.3	-0.4	-0.1	0.0	-0.4	-0.3	0.2	-0.3
	45	0.6	-0.2	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.1	0.2	-0.5	-0.3	-0.1	0.0	-0.3	-0.4	0.5	-0.3
	-10	0.7	-0.4	-0.4	-0.2	-0.5	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.1	-0.1	0.2	0.3	0.1	-0.4	0.1	-0.3	0.2	-0.4	-0.4	0.0	0.0
	0	0.5	-0.3	-0.7	-0.3	-0.2	-0.5	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.1	-0.2	0.1	0.2	0.4	-0.3	0.0	-0.2	0.3	-0.5	-0.2	0.0
	15	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.2	0.1	0.3	-0.2	0.1	-0.2	-0.1	-0.5	0.0	0.0
30	30	0.6	-0.3	-0.6	-0.3	0.0	-0.5	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.3	-0.4	-0.3	0.2	-0.3	-0.4	0.2	-0.3	0.0
	45	0.6	-0.3	-0.5	-0.3	0.0	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.3	0.1	-0.4	-0.3	0.1	-0.2	-0.4	-0.4	0.5	-0.4	0.0
	-10	0.8	-0.4	-0.3	-0.4	-0.1	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.3	0.3	0.2	-0.5	0.5	-0.3	0.3	-0.4	-0.4	0.0
	0	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.1	-0.3	0.0	-0.3	0.1	-0.3	0.2	-0.2	0.3	0.2	0.9	-0.5	0.4	-0.5	0.3	-0.6	-0.3	0.0
	15	0.6	-0.3	-0.6	-0.3	0.0	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.3	0.8	-0.4	0.4	-0.4	-0.2	-0.5	-0.1	0.0
	30	0.6	-0.3	-0.5	-0.3	0.0	-0.5	0.0	-0.3	0.1	-0.3	0.2	-0.3	0.3	-0.2	0.3	0.2	0.6	-0.4	0.4	-0.4	-0.6	-0.5	0.2	-0.3
45	45	0.7	-0.3	-0.5	-0.3	0.0	-0.5	0.0	-0.3	0.1	-0.3	0.2	-0.3	0.3	-0.2	0.3	0.8	-0.4	0.4	-0.4	-0.6	-0.6	0.4	-0.5	0.0
	-10	0.4	-0.2	-0.9	-0.3	-0.4	-0.2	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	0.0	-0.1	0.1	0.3	-0.4	-0.3	0.0	0.2	-0.4	-0.4	0.0
	0	1.2	0.6	-0.1	0.5	0.5	0.3	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.6	0.8	-0.8	-0.3	-0.4	0.0	0.3	-0.5	-0.3	0.0
	15	0.7	0.1	-0.6	0.0	0.1	-0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.2	0.3	0.4	-0.5	-0.3	-0.3	0.0	-0.5	-0.1	0.0	0.0
	30	0.6	-0.1	-0.6	-0.1	0.0	-0.3	0.0	0.0	0.1	-0.2	0.1	-0.2	0.2	0.0	0.2	0.3	0.3	-0.4	-0.1	0.0	-0.4	-0.3	0.2	-0.3
	45	0.6	-0.2	-0.6	-0.3	-0.1	-0.4	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.1	0.2	-0.5	-0.3	-0.1	0.0	-0.3	-0.4	0.5	-0.3



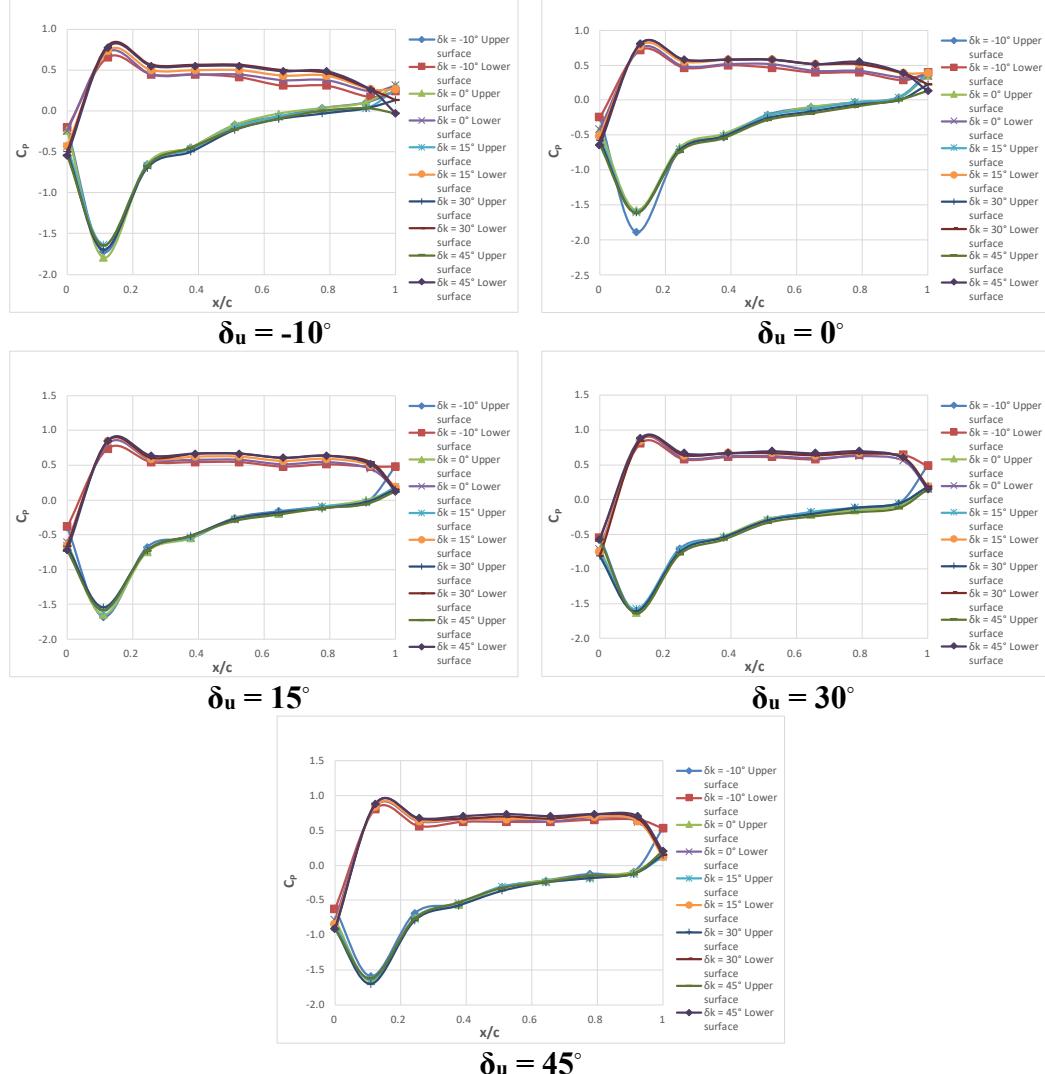
14. Sudut serang airfoil (α) 0° dan Kecepatan freestream (U_0) 17 m/s

δu (°)	δk (°)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI							
		$h0$	$h1$	$h2$	$h3$	$h4$	$h5$	$h6$	$h7$	$h8$	$h9$	$h10$	$h11$	$h12$	$h13$	$h14$	$h15$	$h0$	$h1$	$h2$	$h3$	$h0$	$h1$	$h2$	$h3$			
-10	-10	0.9	-0.9	-0.1	-0.5	-0.1	-0.6	0.0	-0.3	0.0	-0.2	-0.1	-0.1	-0.2	0.0	-0.3	-0.2	-0.3	0.0	0.2	-0.3	-0.3	0.0					
	0	0.9	-0.8	0.0	-0.5	0.0	-0.5	0.0	-0.2	0.0	-0.2	0.0	-0.1	0.0	0.1	-0.1	0.1	0.2	-0.2	-0.3	0.0	0.3	-0.3	-0.3	0.1			
	15	0.9	-0.9	0.0	-0.5	0.0	-0.6	0.0	-0.3	0.1	-0.2	0.0	-0.1	0.1	0.0	0.1	0.2	-0.3	-0.3	0.1	0.1	-0.4	0.0	0.0				
	30	0.9	-0.9	0.0	-0.5	0.0	-0.6	0.1	-0.3	0.1	-0.3	0.0	-0.2	0.1	0.1	-0.1	0.1	0.1	-0.3	-0.3	0.1	-0.1	-0.4	0.2	-0.3			
	45	0.9	-0.8	0.1	-0.5	0.0	-0.6	0.1	-0.2	0.2	-0.2	0.1	-0.1	0.2	0.1	0.0	0.0	0.4	-0.2	-0.3	0.0	-0.1	-0.4	0.5	-0.4			
	-10	1.0	-0.9	0.0	-0.5	0.0	-0.6	0.0	-0.3	0.0	-0.2	0.0	-0.1	0.0	0.1	0.0	0.3	0.0	-0.3	-0.2	0.0	0.3	-0.3	-0.3	0.1			
	0	1.0	-0.9	0.0	-0.5	0.0	-0.6	0.1	-0.3	0.1	-0.2	0.1	-0.1	0.1	0.0	0.2	0.1	-0.1	-0.1	0.1	0.3	-0.3	-0.1	0.1				
	15	1.0	-1.0	0.0	-0.5	0.0	-0.6	0.1	-0.3	0.1	-0.2	0.1	-0.1	0.1	0.0	0.0	0.2	-0.4	-0.1	-0.1	0.0	0.0	-0.3	0.0	0.0			
	30	1.0	-0.9	0.1	-0.5	0.1	-0.6	0.2	-0.3	0.2	-0.2	0.2	-0.2	0.2	0.0	0.1	0.2	0.7	-0.1	0.0	0.1	-0.4	-0.2	0.2	-0.2			
	45	0.8	-1.1	0.0	-0.7	0.0	-0.8	0.0	-0.4	0.1	-0.4	0.0	-0.3	0.1	-0.1	-0.1	-0.1	0.6	-0.2	-0.1	0.0	-0.4	-0.4	0.5	-0.3			
0	-10	1.0	-1.0	0.1	-0.5	0.0	-0.6	0.1	-0.3	0.2	-0.3	0.1	-0.2	0.2	0.0	0.0	0.2	0.4	0.4	-0.3	0.1	0.0	0.3	-0.3	0.1			
	0	1.0	-0.9	0.1	-0.5	0.1	-0.6	0.2	-0.3	0.2	-0.2	0.2	-0.1	0.2	0.4	0.6	0.0	0.1	0.0	0.3	-0.3	-0.1	0.1					
	15	0.8	-1.1	0.0	-0.7	0.0	-0.8	0.0	-0.5	0.1	-0.4	0.1	-0.4	0.2	-0.2	0.1	0.2	0.5	0.0	0.1	0.0	0.0	-0.3	0.1	0.0			
	30	0.9	-1.0	0.2	-0.6	0.2	-0.7	0.2	-0.4	0.3	-0.3	0.3	-0.3	0.3	-0.2	0.3	0.2	0.5	-0.1	0.1	0.0	-0.4	-0.3	0.2	-0.2			
	45	0.7	-1.2	0.0	-0.7	0.0	-0.8	0.1	-0.5	0.1	-0.5	0.1	-0.4	0.2	-0.3	0.2	0.0	0.7	-0.1	0.1	0.0	-0.4	-0.5	0.5	-0.3			
	-10	1.0	-0.9	0.2	-0.5	0.1	-0.6	0.2	-0.3	0.2	-0.2	0.3	-0.2	0.4	-0.2	0.4	-0.1	0.4	0.4	0.6	0.3	0.3	-0.2	0.4	-0.3	0.1		
	0	0.9	-1.0	0.2	-0.5	0.2	-0.7	0.2	-0.3	0.3	-0.3	0.3	-0.3	0.3	-0.2	0.4	0.4	0.7	-0.1	0.3	-0.2	0.2	-0.4	-0.2	0.1			
	15	0.9	-1.0	0.2	-0.6	0.2	-0.7	0.2	-0.4	0.3	-0.3	0.3	-0.3	0.3	-0.2	0.4	0.3	0.8	-0.1	0.3	-0.2	0.0	-0.5	0.0	0.0			
	30	0.9	-1.0	0.3	-0.5	0.2	-0.7	0.3	-0.3	0.3	-0.3	0.3	-0.3	0.4	-0.1	0.4	0.8	-0.1	0.3	-0.2	-0.2	-0.3	0.3	-0.2				
	45	0.9	-1.1	0.3	-0.6	0.2	-0.7	0.3	-0.3	0.3	-0.3	0.4	-0.3	0.5	-0.2	0.5	0.3	0.5	-0.2	0.3	-0.3	-0.4	-0.5	0.5	-0.4			
45	-10	0.9	-1.0	0.2	-0.5	0.2	-0.6	0.2	-0.3	0.3	-0.3	0.3	-0.2	0.4	-0.1	0.5	0.4	0.5	-0.3	0.5	-0.2	0.3	-0.3	0.0	0.0			
	0	1.0	-1.0	0.3	-0.5	0.2	-0.6	0.3	-0.3	0.3	-0.3	0.3	-0.2	0.5	-0.1	0.5	0.3	0.5	-0.2	0.5	-0.3	0.2	-0.4	-0.2	0.0			
	15	0.9	-1.0	0.3	-0.5	0.2	-0.7	0.3	-0.3	0.3	-0.3	0.4	-0.3	0.5	-0.2	0.5	0.3	0.5	-0.2	0.5	-0.3	0.2	-0.5	-0.3	0.0			
	30	0.9	-1.0	0.3	-0.5	0.3	-0.7	0.4	-0.4	0.4	-0.3	0.4	-0.2	0.6	-0.1	0.6	0.4	0.4	-0.1	0.6	-0.3	-0.3	-0.4	0.3	-0.2			
	45	0.9	-1.1	0.4	-0.6	0.3	-0.7	0.4	-0.4	0.4	-0.3	0.4	-0.2	0.6	-0.1	0.6	0.3	0.1	-0.2	0.6	-0.4	-0.5	-0.5	0.5	-0.4			



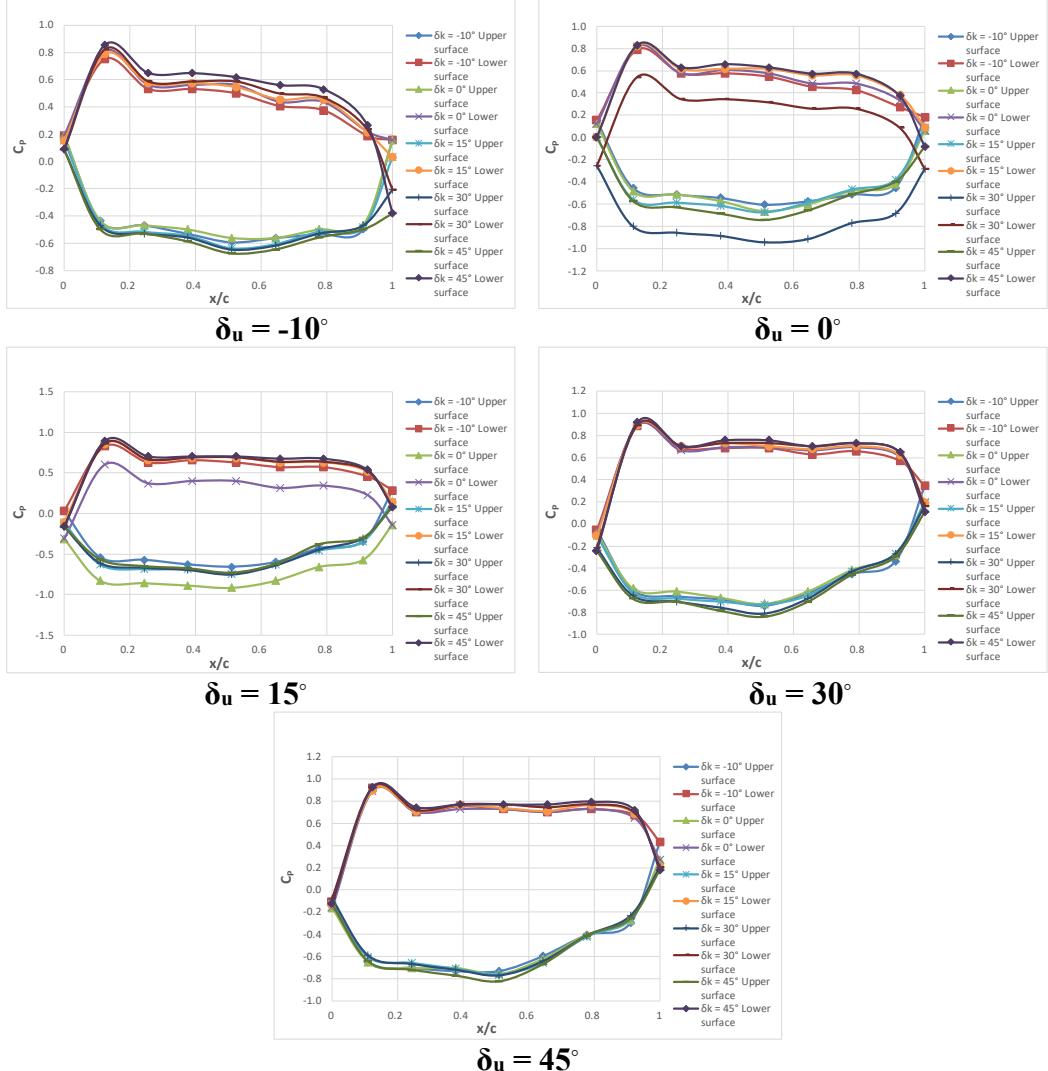
15. Sudut serang airfoil (α) 15° dan Kecepatan freestream (U_0) 17 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL														CP FLAP UTAMA				CP FLAP KENDALI						
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	-0.2	-1.7	0.7	-0.7	0.4	-0.4	0.4	-0.2	0.4	-0.1	0.3	0.0	0.3	0.1	0.2	0.2	0.0	0.2	0.2	0.0	0.1				
	0	-0.2	-1.8	0.7	-0.7	0.4	-0.4	0.4	-0.2	0.4	0.0	0.4	0.0	0.4	0.1	0.2	0.3	0.6	0.0	0.0	0.2	0.2	-0.2	0.0	0.1	
	15	-0.4	-1.6	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.0	0.3	0.3	-0.2	0.0	0.1	0.2	0.2	-0.2	0.3	0.0	
	30	-0.5	-1.7	0.8	-0.7	0.6	-0.5	0.6	-0.2	0.6	-0.1	0.5	0.0	0.5	0.0	0.3	0.1	-0.2	0.0	0.1	0.2	0.1	-0.2	0.5	-0.1	
	45	-0.5	-1.6	0.8	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.5	0.0	0.5	0.0	0.3	0.0	-0.3	0.0	0.0	0.1	0.0	-0.3	0.7	-0.2	
	-10	-0.3	-1.9	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.0	0.3	0.4	0.0	0.0	0.1	0.1	0.3	-0.2	0.0	0.1	
0	0	-0.4	-1.6	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.0	0.3	0.4	0.1	0.0	0.1	0.1	0.2	-0.2	0.1	0.2	
	15	-0.5	-1.6	0.8	-0.7	0.5	-0.5	0.6	-0.2	0.6	-0.1	0.5	0.0	0.5	0.0	0.4	0.4	0.3	0.0	0.2	0.2	0.1	-0.2	0.3	0.1	
	30	-0.6	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.2	0.6	-0.1	0.5	0.0	0.4	0.0	0.4	0.2	0.5	0.0	0.2	0.2	-0.1	-0.2	0.5	0.0	
	45	-0.6	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.5	-0.1	0.5	0.0	0.4	0.1	0.4	0.0	0.1	0.2	-0.2	0.3	0.7	-0.2	
	-10	-0.4	-1.7	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.5	0.0	0.5	0.5	0.1	0.1	0.0	0.4	0.1	0.3	-0.3	0.0	0.2		
	0	-0.6	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.5	-0.1	0.5	0.0	0.5	0.2	0.1	0.0	0.3	0.1	0.0	-0.3	0.1	0.2	
15	15	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	0.0	0.5	0.2	-0.1	0.0	0.3	0.2	-0.1	-0.3	0.3	0.0	
	30	-0.7	-1.5	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.6	0.0	0.5	0.2	0.2	0.0	0.4	0.2	-0.3	-0.2	0.5	-0.1	
	45	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.6	-0.1	0.5	0.1	0.2	0.0	0.4	0.2	-0.4	-0.3	0.7	-0.2	
	-10	-0.5	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	0.1	0.6	0.5	0.3	-0.1	0.6	0.0	0.3	-0.3	0.0	0.1	
	0	-0.7	-1.6	0.8	-0.8	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.2	0.6	-0.1	0.6	0.2	0.6	0.0	0.5	0.1	0.0	-0.4	0.1	0.2	
	15	-0.8	-1.6	0.8	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.2	0.4	0.0	0.5	0.1	-0.2	-0.3	0.3	0.0	
30	30	-0.8	-1.6	0.8	-0.8	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.2	0.3	0.0	0.5	0.1	-0.4	-0.2	0.5	-0.1	
	45	-0.6	-1.6	0.9	-0.8	0.7	-0.6	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.7	-0.1	0.6	0.2	0.3	-0.1	0.5	0.1	-0.5	-0.4	0.7	-0.2	
	-10	-0.6	-1.6	0.8	-0.7	0.6	-0.6	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.7	-0.1	0.7	0.5	0.1	-0.2	0.7	-0.2	0.3	-0.3	0.1	0.1	
	0	-0.8	-1.7	0.8	-0.8	0.6	-0.6	0.7	-0.3	0.7	-0.2	0.6	-0.2	0.7	-0.1	0.6	0.2	0.5	-0.2	0.7	0.0	0.0	-0.4	0.0	0.1	
	15	-0.8	-1.6	0.8	-0.8	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.2	0.7	-0.1	0.6	0.1	0.5	-0.1	0.7	0.0	0.0	-0.2	0.3	0.0	
	45	-0.9	-1.6	0.9	-0.8	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.7	0.2	0.1	-0.1	0.7	-0.1	-0.3	-0.3	0.7	-0.2	



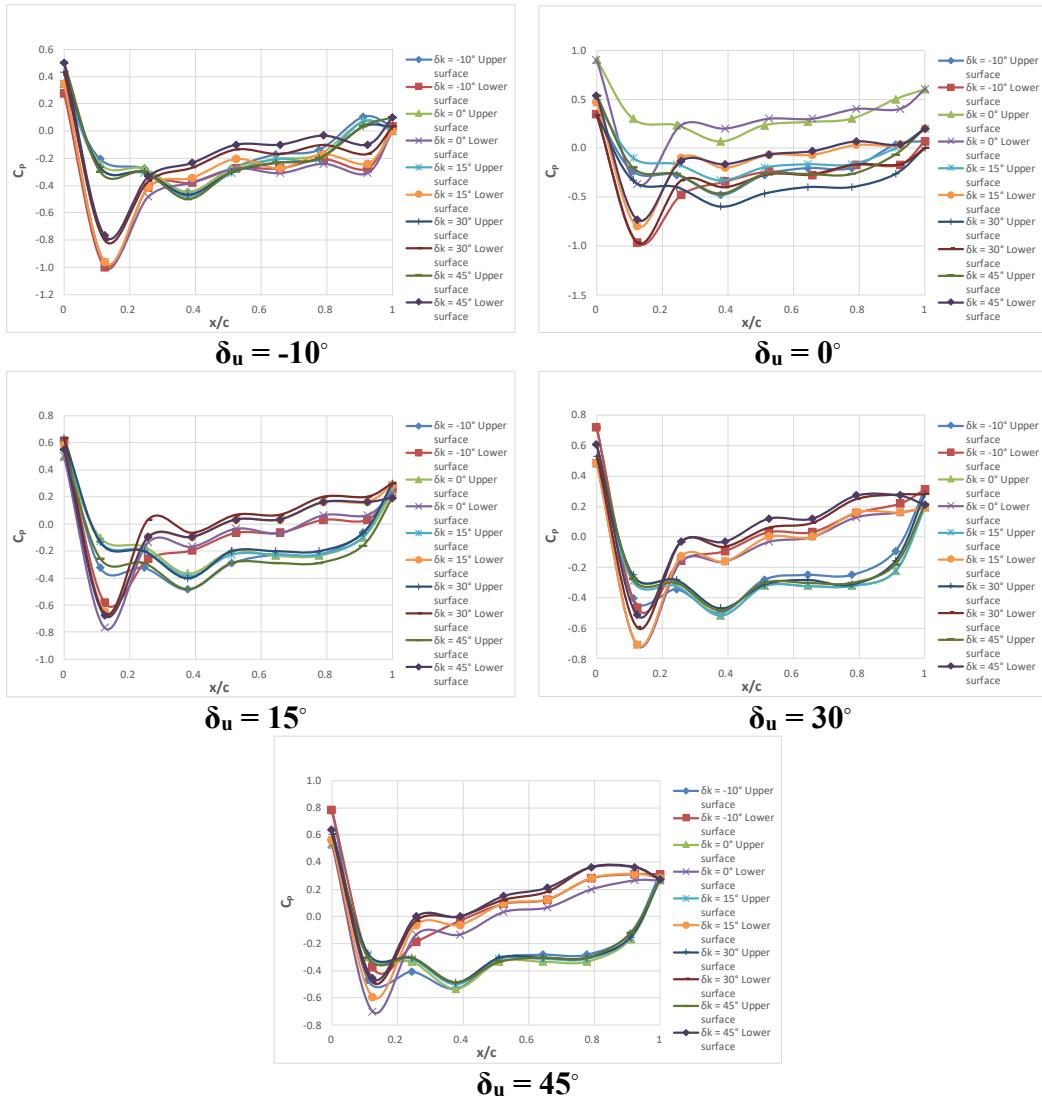
16. Sudut serang airfoil (α) 20° dan Kecepatan freestream (U_0) 17 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI					
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	0.2	-0.4	0.8	-0.5	0.5	-0.5	0.5	-0.6	0.5	-0.6	0.4	-0.5	0.4	-0.5	0.2	-0.2	-0.2	-0.1	-0.1	-0.3	-0.3	-0.2	-0.1		
	0	0.2	-0.4	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.6	-0.6	0.4	-0.5	0.4	-0.5	0.2	0.2	-0.3	-0.2	-0.1	-0.1	-0.3	-0.3	0.0	-0.1	
	15	0.2	-0.5	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.5	-0.6	0.5	-0.5	0.5	-0.5	0.5	0.2	0.0	-0.2	-0.1	-0.1	-0.4	-0.3	0.2	-0.2	
	30	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.6	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.5	-0.2	-0.3	-0.1	-0.1	-0.1	-0.4	-0.3	0.5	-0.2	
	45	0.1	-0.5	0.9	-0.5	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.6	-0.6	0.5	-0.5	0.3	-0.4	0.2	-0.1	-0.1	-0.1	-0.3	-0.4	0.7	-0.3	
0	-10	0.2	-0.5	0.8	-0.5	0.6	-0.5	0.6	-0.6	0.5	-0.6	0.5	-0.5	0.4	-0.5	0.3	0.2	0.4	-0.2	0.0	-0.1	-0.2	-0.3	-0.2	-0.1	
	0	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.4	0.3	0.1	-0.2	0.1	0.0	-0.3	-0.2	0.1	-0.1	
	15	0.0	-0.6	0.8	-0.6	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.6	-0.5	0.6	-0.4	0.4	0.1	0.3	-0.1	0.1	0.1	-0.3	-0.2	0.3	-0.1	
	30	-0.3	-0.8	0.5	-0.9	0.3	-0.9	0.3	-0.9	0.3	-0.9	0.3	-0.8	0.3	-0.7	0.1	-0.3	-0.1	0.1	0.0	-0.4	-0.3	0.5	-0.1		
	45	0.0	-0.6	0.8	-0.6	0.6	-0.7	0.7	-0.7	0.6	-0.7	0.6	-0.5	0.6	-0.4	0.4	-0.1	0.3	-0.1	0.1	0.0	-0.4	-0.3	0.7	-0.2	
15	-10	0.0	-0.5	0.8	-0.6	0.6	-0.6	0.7	-0.7	0.6	-0.6	0.6	-0.4	0.6	-0.3	0.5	0.3	-0.2	-0.1	0.3	0.1	-0.1	-0.3	-0.1	-0.1	
	0	-0.3	-0.8	0.6	-0.9	0.4	-0.9	0.4	-0.9	0.4	-0.8	0.3	-0.7	0.3	-0.6	0.2	-0.1	0.1	0.0	0.4	0.1	-0.2	-0.3	0.1	0.0	
	15	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.6	-0.5	0.6	-0.3	0.5	0.1	0.1	0.0	0.4	0.1	-0.3	-0.3	0.3	-0.1	
	30	-0.2	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.6	-0.4	0.6	-0.3	0.5	0.1	0.2	-0.1	0.4	0.1	-0.4	-0.3	0.5	-0.2	
	45	-0.2	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.7	-0.4	0.7	-0.3	0.5	0.1	-0.3	0.0	0.4	0.1	-0.4	-0.3	0.7	-0.2	
30	-10	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.6	-0.5	0.7	-0.3	0.6	0.3	0.3	-0.1	0.6	0.1	-0.1	-0.3	-0.1	-0.1	
	0	-0.1	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.7	-0.4	0.7	-0.3	0.6	0.2	0.4	0.0	0.6	0.1	-0.2	-0.3	0.1	0.0	
	15	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.7	-0.4	0.7	-0.3	0.6	0.2	0.1	0.0	0.6	0.2	-0.4	-0.3	0.4	-0.1	
	30	-0.2	-0.6	0.9	-0.7	0.7	-0.8	0.7	-0.8	0.7	-0.7	0.7	-0.4	0.7	-0.3	0.6	0.2	0.2	-0.1	0.6	0.1	-0.4	-0.3	0.5	-0.2	
	45	-0.2	-0.7	0.9	-0.7	0.7	-0.8	0.8	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.1	0.0	-0.1	0.6	0.1	-0.5	-0.3	0.7	-0.2	
45	-10	-0.1	-0.6	0.9	-0.7	0.7	-0.8	0.8	-0.8	0.8	-0.7	0.8	-0.4	0.8	-0.3	0.7	0.2	0.8	0.8	-0.2	0.7	0.1	-0.6	-0.3	0.7	
	0	-0.2	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.8	-0.6	0.7	-0.4	0.7	-0.3	0.6	0.3	0.6	-0.1	0.8	0.1	-0.2	-0.3	0.1	-0.1	
	15	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.8	-0.8	0.7	-0.7	0.7	-0.4	0.8	-0.3	0.7	0.2	0.4	-0.1	0.8	0.1	-0.4	-0.3	0.3	-0.1	
	30	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.8	-0.8	0.8	-0.6	0.7	-0.4	0.8	-0.2	0.7	0.2	0.8	0.8	-0.1	0.7	0.1	-0.4	-0.3	0.5	-0.2
	45	-0.1	-0.6	0.9	-0.7	0.7	-0.8	0.8	-0.8	0.8	-0.7	0.8	-0.4	0.8	-0.3	0.7	0.2	0.8	0.8	-0.2	0.7	0.1	-0.6	-0.3	0.7	



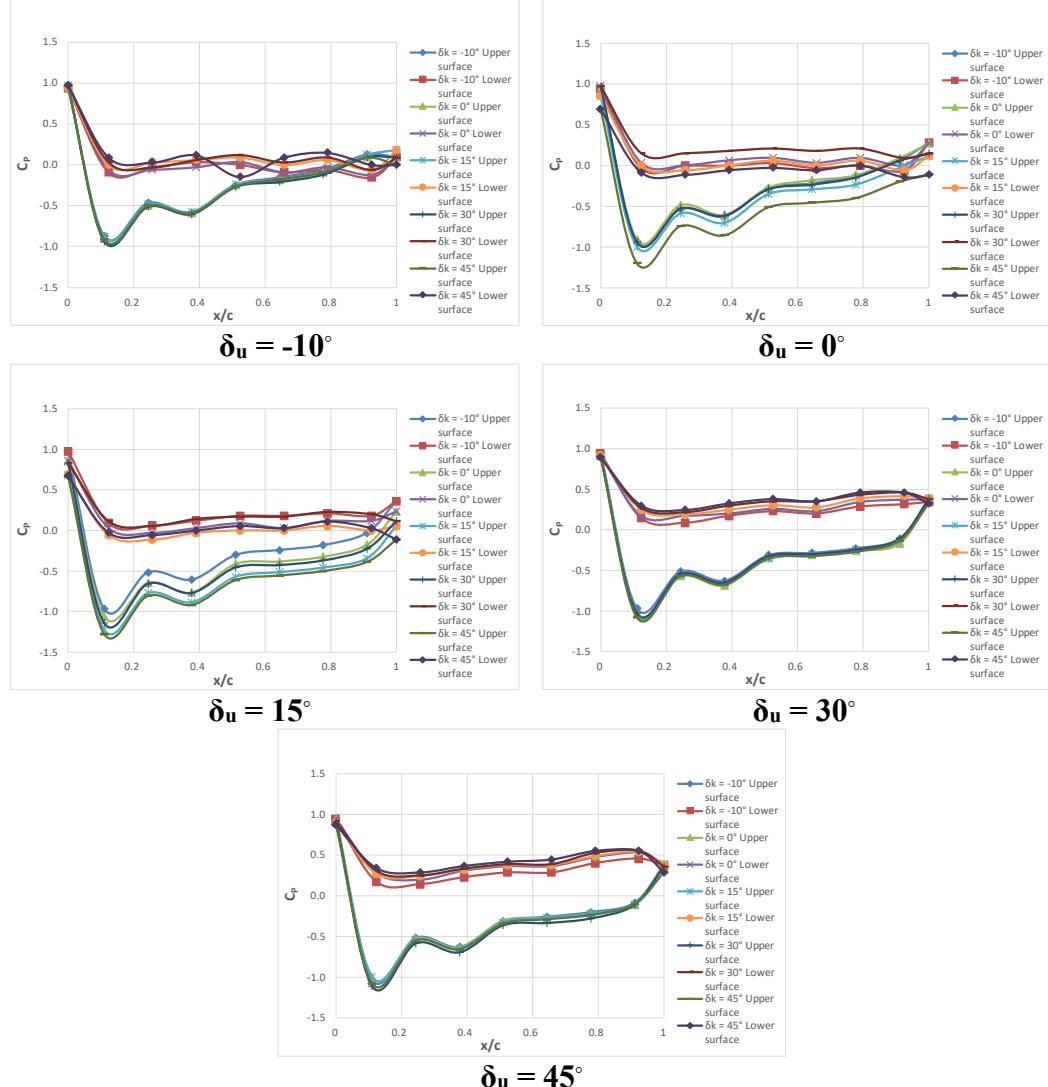
17. Sudut serang airfoil (α) -10° dan Kecepatan freestream (U_0) 20 m/s

δ_u ($^\circ$)	δk ($^\circ$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA					CP FLAP KENDALI				
		h0	h1	h2	h3	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3		
-10°	-10	0.3	-0.2	-1.0	-0.3	-0.4	-0.4	-0.3	-0.3	-0.2	-0.3	-0.1	-0.2	0.1	-0.3	0.0	0.0	-0.4	-0.4	-0.1	0.3	-0.4	-0.4	0.0		
	0	0.3	-0.2	-1.0	-0.3	-0.5	-0.4	-0.4	-0.3	-0.3	-0.2	-0.3	-0.2	0.1	-0.3	0.0	-0.1	-0.3	-0.4	-0.1	0.3	-0.6	-0.4	0.0		
	15	0.3	-0.3	-1.0	-0.3	-0.4	-0.5	-0.3	-0.3	-0.2	-0.2	-0.3	-0.2	0.1	-0.2	0.0	-0.2	-0.3	-0.4	0.0	0.2	-0.6	-0.1	-0.1		
	30	0.4	-0.3	-1.0	-0.3	-0.4	-0.5	-0.3	-0.3	-0.1	-0.2	-0.2	-0.2	0.1	-0.2	0.0	0.0	-0.3	-0.4	0.0	-0.2	-0.4	0.1	-0.3		
	45	0.5	-0.3	-0.8	-0.3	-0.4	-0.5	-0.3	-0.3	-0.1	-0.2	-0.2	-0.1	-0.2	0.0	0.0	-0.1	0.1	-0.1	-0.4	-0.4	0.0	-0.2	-0.6	0.5	-0.5
	-10	0.3	-0.2	-1.0	-0.3	-0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-0.3	-0.2	-0.2	0.0	-0.2	0.1	0.3	-0.4	-0.3	-0.1	0.2	-0.4	-0.4	0.0	
0	0	0.9	0.3	-0.4	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.4	0.6	-0.7	-0.3	-0.4	0.0	0.3	-0.6	-0.3	0.0		
	15	0.5	-0.1	-0.8	-0.2	-0.1	-0.3	-0.2	-0.2	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.2	-0.7	-0.3	-0.4	0.0	0.1	-0.5	-0.1	0.0		
	30	0.3	-0.3	-1.0	-0.4	-0.3	-0.6	-0.4	-0.5	-0.3	-0.4	-0.3	-0.4	-0.2	-0.2	0.0	-0.8	-0.3	-0.3	0.0	-0.3	-0.4	0.1	-0.3		
	45	0.5	-0.2	-0.7	-0.3	-0.1	-0.5	-0.2	-0.3	-0.1	-0.3	0.0	-0.3	0.1	-0.1	0.0	0.2	0.0	-0.4	-0.3	0.0	-0.6	0.4	-0.5	-0.5	
	-10	0.6	-0.3	-0.8	-0.3	-0.3	-0.5	-0.2	-0.3	-0.1	-0.2	-0.1	-0.2	-0.2	0.0	-0.1	0.0	0.3	-0.4	-0.1	0.0	0.3	-0.4	-0.3	0.0	
	0	0.5	-0.1	-0.8	-0.2	-0.1	-0.4	-0.2	-0.2	0.0	-0.2	-0.1	-0.2	0.1	-0.1	0.2	0.2	-0.4	-0.2	0.0	0.3	-0.5	-0.3	0.0		
15	15	0.6	-0.1	-0.6	-0.2	-0.1	-0.4	-0.1	-0.2	0.0	-0.2	0.0	-0.2	0.2	-0.1	0.2	0.3	0.4	-0.3	-0.1	0.0	0.0	-0.5	-0.1	0.0	
	30	0.6	-0.1	-0.7	-0.2	0.0	-0.4	-0.1	-0.2	0.1	-0.2	0.1	-0.2	0.2	-0.1	0.2	0.3	0.4	-0.4	-0.1	0.0	-0.3	-0.3	0.2	-0.3	
	45	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.2	0.2	-0.4	-0.1	0.0	-0.2	-0.5	0.5	-0.4	-0.4	
	-10	0.7	-0.4	-0.5	-0.3	-0.2	-0.5	-0.1	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.1	0.2	0.3	0.2	-0.4	0.2	-0.3	0.3	-0.4	0.3	0.0	
	0	0.5	-0.3	-0.7	-0.3	-0.2	-0.5	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.1	-0.2	0.2	0.3	-0.3	0.1	-0.2	0.3	-0.5	-0.3	0.0		
	15	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.2	0.3	-0.3	0.1	-0.2	0.0	-0.5	-0.1	0.0		
30	30	0.5	-0.3	-0.6	-0.3	0.0	-0.5	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.3	-0.3	0.2	-0.3	0.2	-0.3	0.2	-0.3	0.0	
	45	0.6	-0.3	-0.5	-0.3	0.0	-0.5	-0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.2	-0.5	-0.2	0.2	-0.2	-0.3	-0.4	0.5	-0.4	
	-10	0.8	-0.5	-0.4	-0.2	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.3	0.3	0.2	-0.5	0.5	-0.3	0.2	-0.4	-0.4	-0.1	0.0	
	0	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.1	-0.3	0.0	-0.3	0.1	-0.3	0.2	-0.2	0.3	0.3	0.9	-0.5	0.4	-0.5	0.3	-0.6	-0.4	0.0	
	15	0.6	-0.3	-0.6	-0.3	-0.1	-0.5	-0.1	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.2	0.3	0.3	0.7	-0.4	0.4	-0.4	0.0	-0.5	-0.1	-0.1	
	45	0.6	-0.3	-0.5	-0.3	0.0	-0.5	-0.0	-0.3	0.1	-0.3	0.2	-0.3	0.4	-0.2	0.4	0.3	0.7	-0.4	0.4	-0.4	-0.5	0.2	-0.2	0.0	
45	-10	0.4	-0.2	-0.8	-0.3	-0.4	-0.5	-0.3	-0.3	-0.2	-0.2	-0.1	-0.2	-0.2	0.0	0.0	0.0	-0.4	-0.4	-0.1	0.0	0.3	-0.4	-0.3	0.0	
	0	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.1	-0.3	0.0	-0.3	0.1	-0.3	0.2	-0.2	0.2	0.3	-0.3	0.1	-0.2	0.3	-0.5	-0.3	0.0		
	15	0.5	-0.3	-0.7	-0.3	-0.1	-0.5	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.2	0.3	-0.3	0.1	-0.2	0.0	-0.5	-0.1	0.0		
	30	0.6	-0.3	-0.7	-0.3	-0.1	-0.5	-0.2	-0.3	0.0	-0.3	0.0	-0.3	0.2	-0.2	0.2	0.3	-0.3	0.1	-0.2	0.0	-0.5	-0.1	0.0		
	45	0.6	-0.3	-0.5	-0.3	0.0	-0.5	-0.0	-0.3	0.2	-0.3	0.2	-0.3	0.4	-0.1	0.4	0.3	0.7	-0.4	0.4	-0.4	-0.5	0.5	-0.4	0.0	
	-10	0.8	-0.5	-0.4	-0.2	-0.5	0.0	-0.3	0.1	-0.3	0.1	-0.3	0.3	-0.1	0.3	0.3	0.2	-0.5	0.5	-0.3	0.2	-0.4	-0.4	-0.1	0.0	



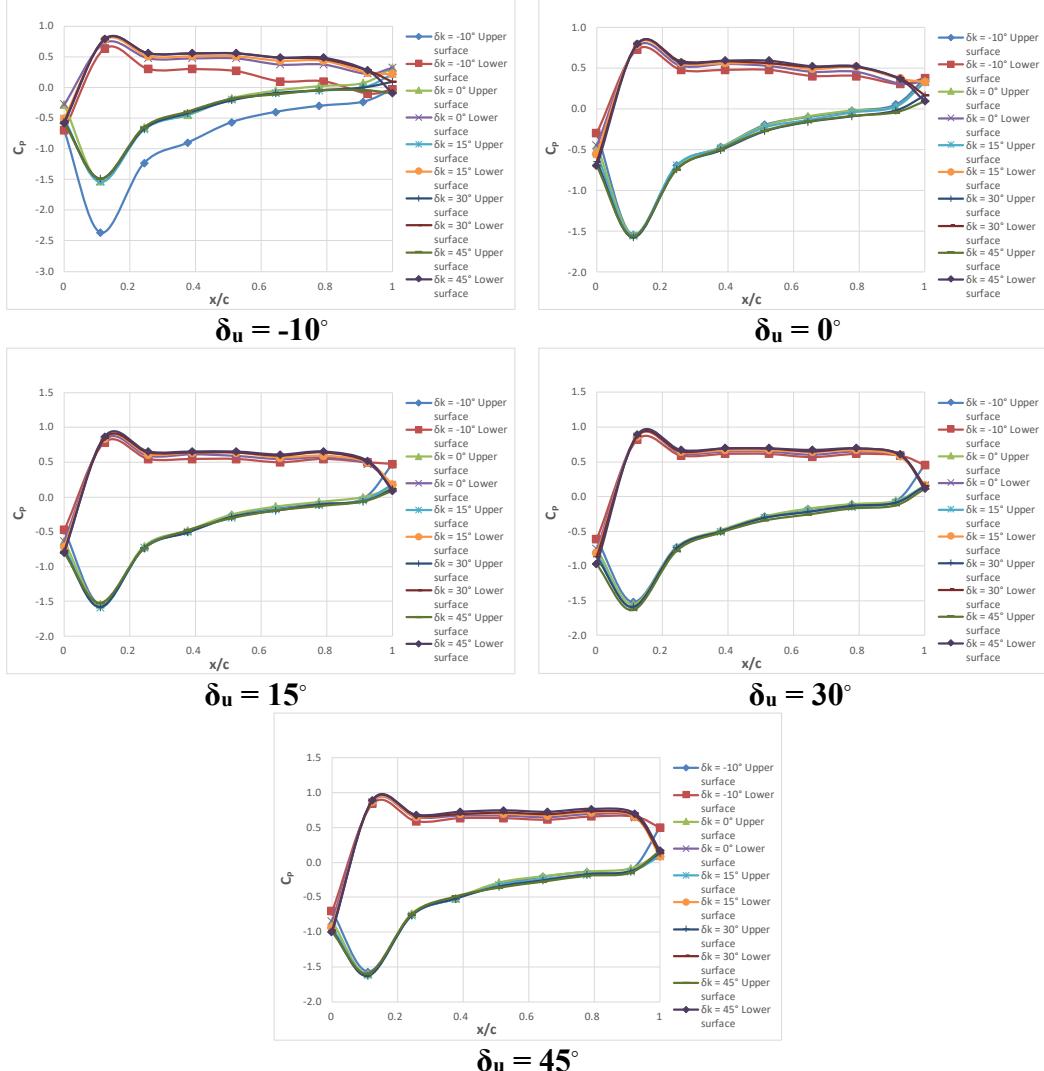
18. Sudut serang airfoil (α) 0° dan Kecepatan freestream (U_0) 20 m/s

δu (°)	δk (°)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA					CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3	
-10	-10	0.9	-0.9	-0.1	-0.5	0.0	-0.6	0.0	-0.3	0.0	-0.2	-0.1	-0.1	-0.1	-0.2	0.1	-0.3	-0.2	-0.3	0.0	0.2	-0.3	-0.3	0.1		
	0	1.0	-0.9	-0.1	-0.5	-0.1	-0.6	0.0	-0.3	0.0	-0.2	-0.1	-0.1	0.0	0.1	-0.1	0.1	0.1	-0.3	-0.3	0.0	0.2	-0.3	-0.3	0.1	
	15	0.9	-0.9	0.0	-0.5	0.0	-0.6	0.1	-0.2	0.1	-0.2	0.0	-0.1	0.1	0.1	-0.1	0.2	0.2	-0.3	-0.3	0.1	0.1	-0.4	0.0	0.0	
	30	1.0	-0.9	0.0	-0.5	0.0	-0.6	0.1	-0.3	0.1	-0.2	0.0	-0.1	0.1	0.1	-0.1	0.1	0.2	-0.2	-0.3	0.1	-0.1	-0.3	0.2	-0.2	
	45	1.0	-0.9	0.1	-0.5	0.0	-0.6	0.1	-0.3	-0.1	-0.2	0.1	-0.1	0.1	0.0	0.0	0.6	-0.3	-0.3	0.1	-0.1	-0.4	0.5	-0.4		
	-10	0.9	-0.9	0.0	-0.5	0.0	-0.6	0.0	-0.3	0.0	-0.2	0.0	-0.1	0.0	0.1	-0.1	0.3	-0.1	-0.3	0.1	0.3	-0.3	-0.3	0.1		
0	0	1.0	-0.9	0.0	-0.5	0.0	-0.6	0.1	-0.3	0.1	-0.2	0.0	-0.1	0.1	0.0	0.3	0.1	-0.1	-0.2	0.1	0.2	-0.3	-0.2	0.1		
	15	0.9	-1.0	0.0	-0.6	-0.1	-0.7	0.0	-0.4	0.1	-0.3	0.0	-0.2	0.1	0.0	-0.1	0.1	-0.2	-0.1	0.1	0.0	-0.3	0.0	0.0		
	30	1.0	-0.9	0.1	-0.5	0.1	-0.6	0.2	-0.3	0.2	-0.2	0.2	-0.1	0.2	0.1	0.1	0.7	-0.1	-0.1	0.1	-0.4	-0.3	0.2	-0.1		
	45	0.7	-1.2	-0.1	-0.7	-0.1	-0.9	-0.1	-0.5	0.0	-0.5	-0.1	-0.4	0.0	-0.2	-0.1	0.7	-0.1	-0.1	0.1	-0.5	-0.4	0.5	-0.3		
	-10	1.0	-1.0	0.1	-0.5	0.1	-0.6	0.1	-0.3	0.2	-0.2	0.2	-0.2	0.2	0.0	0.2	0.4	0.3	-0.4	0.1	-0.1	0.3	-0.3	0.1		
	0	0.9	-1.1	0.0	-0.6	0.0	-0.8	0.0	-0.4	0.1	-0.4	0.0	-0.3	0.1	-0.2	0.1	0.2	0.5	0.0	0.1	0.0	0.2	-0.3	0.2	0.1	
15	15	0.7	-1.2	-0.1	-0.8	-0.1	-0.9	0.0	-0.6	0.0	-0.5	0.0	-0.5	0.1	-0.3	0.0	0.1	0.5	0.0	0.1	0.1	-0.3	0.1	0.0		
	30	0.8	-1.1	0.1	-0.7	0.1	-0.8	0.1	-0.5	0.2	-0.4	0.2	-0.4	0.2	-0.2	0.2	0.1	0.5	-0.1	0.1	0.0	-0.3	0.3	-0.2		
	45	0.7	-1.3	0.0	-0.8	-0.1	-0.9	0.0	-0.6	0.1	-0.6	0.0	-0.5	0.1	-0.4	0.0	-0.1	0.6	-0.1	0.1	0.1	-0.5	0.5	-0.4		
	-10	0.9	-1.0	0.1	-0.5	0.1	-0.6	0.2	-0.3	0.2	-0.3	0.2	-0.2	0.3	-0.1	0.3	0.3	0.6	-0.3	0.3	-0.2	0.3	-0.3	0.1		
	0	0.9	-1.0	0.2	-0.6	0.2	-0.7	0.2	-0.3	0.3	-0.3	0.2	-0.3	0.3	-0.2	0.4	0.4	0.7	-0.1	0.3	-0.2	0.2	-0.4	0.0		
	15	0.9	-1.1	0.3	-0.6	0.2	-0.7	0.3	-0.4	0.3	-0.3	0.3	-0.3	0.4	-0.1	0.4	0.4	0.9	-0.1	0.3	-0.2	0.0	-0.4	0.0		
30	30	0.9	-1.0	0.3	-0.5	0.2	-0.6	0.3	-0.3	0.4	-0.3	0.4	-0.2	0.4	-0.1	0.5	0.4	0.8	-0.1	0.3	-0.2	0.2	-0.3	0.3		
	45	0.9	-1.1	0.3	-0.6	0.2	-0.7	0.3	-0.4	0.4	-0.3	0.4	-0.3	0.5	-0.1	0.5	0.3	0.5	-0.1	0.3	-0.3	-0.4	-0.5	0.5		
	-10	0.9	-1.0	0.2	-0.5	0.1	-0.6	0.2	-0.3	0.3	-0.3	0.3	-0.2	0.4	-0.1	0.5	0.4	0.5	-0.4	0.5	-0.2	0.3	-0.4	0.0		
	0	0.9	-1.0	0.3	-0.5	0.2	-0.6	0.3	-0.3	0.4	-0.3	0.4	-0.2	0.5	-0.1	0.5	0.4	0.5	-0.2	0.6	-0.3	0.2	-0.4	0.2		
	15	0.9	-1.0	0.3	-0.5	0.2	-0.6	0.3	-0.3	0.4	-0.3	0.4	-0.2	0.5	-0.1	0.5	0.4	0.5	-0.2	0.6	-0.3	0.2	-0.4	0.0		
	30	0.9	-1.1	0.3	-0.6	0.3	-0.7	0.3	-0.4	0.4	-0.3	0.4	-0.3	0.5	-0.1	0.6	0.4	0.3	-0.1	0.6	-0.3	-0.4	-0.4	0.2	-0.3	
	45	0.9	-1.1	0.3	-0.6	0.3	-0.7	0.4	-0.3	0.4	-0.3	0.4	-0.2	0.6	-0.1	0.6	0.3	0.0	-0.2	0.6	-0.3	-0.6	-0.5	0.5	-0.4	



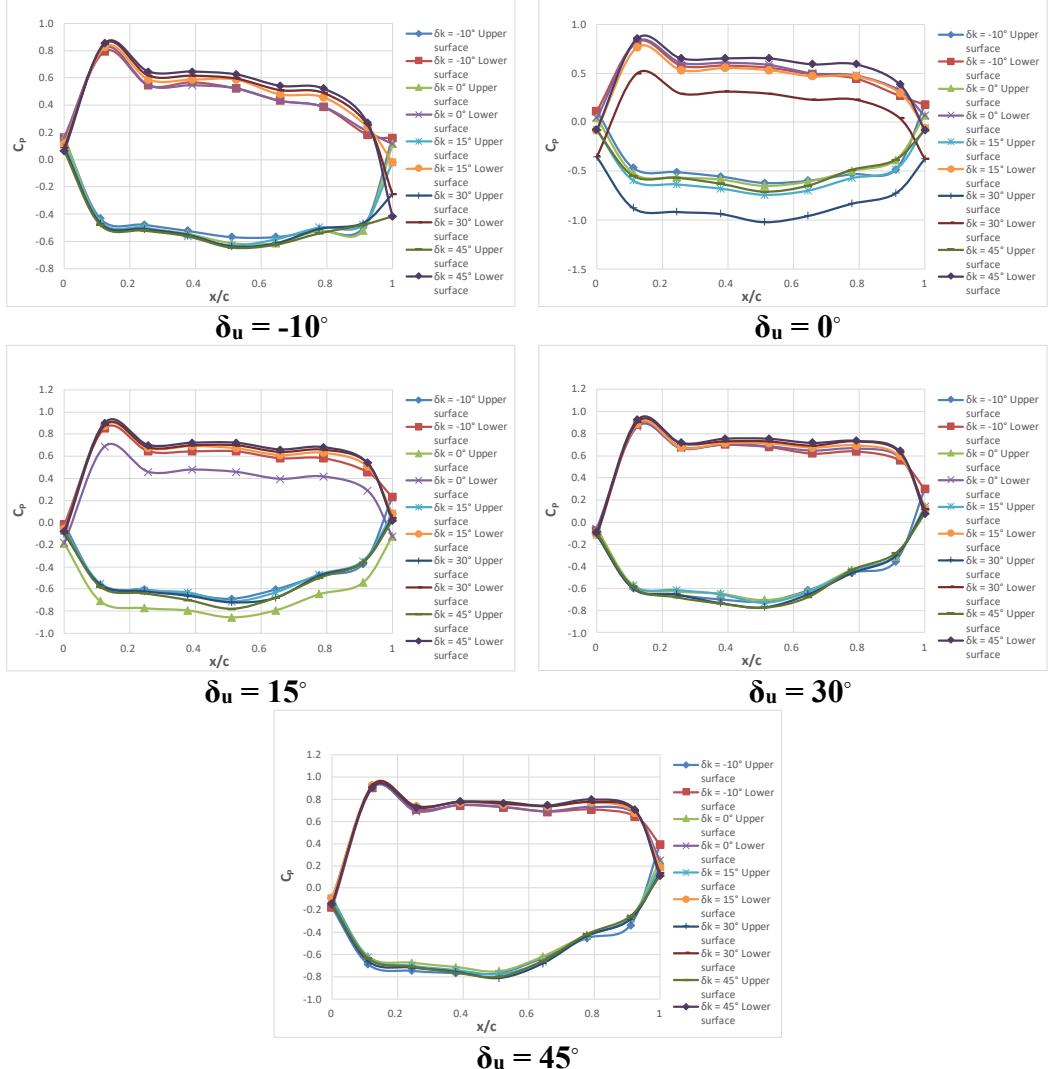
19. Sudut serang airfoil (α) 15° dan Kecepatan freestream (U_0) 20 m/s

δu ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA			CP FLAP KENDALI					
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	-0.7	-2.4	0.6	-1.2	0.3	-0.9	0.3	-0.6	0.3	-0.4	0.1	-0.3	0.1	-0.2	-0.1	0.0	-0.3	-0.3	-0.4	-0.1	-0.5	-0.4	-0.2	
	0	-0.3	-1.5	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.1	0.2	0.3	0.6	0.0	0.0	0.2	0.1	-0.2	0.1	0.1
	15	-0.5	-1.5	0.8	-0.7	0.5	-0.4	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.0	0.2	0.2	-0.2	0.0	0.0	0.2	0.1	-0.2	0.3	0.0
	30	-0.6	-1.5	0.8	-0.7	0.6	-0.4	0.6	-0.2	0.6	-0.1	0.5	0.0	0.5	0.0	0.3	0.1	-0.1	0.0	0.0	0.2	0.1	-0.2	0.5	-0.1
	45	-0.6	-1.5	0.8	-0.7	0.6	-0.4	0.6	-0.2	0.6	-0.1	0.5	0.0	0.5	0.0	0.3	-0.1	-0.3	0.0	0.0	0.2	0.0	-0.3	0.7	-0.2
	-10	-0.3	-1.6	0.7	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.4	0.0	0.4	0.1	0.3	0.4	0.0	0.0	0.1	0.3	-0.2	0.0	0.2	
0	0	-0.5	-1.5	0.8	-0.7	0.5	-0.5	0.5	-0.2	0.5	-0.1	0.5	0.0	0.5	0.0	0.3	0.3	0.0	0.0	0.1	0.1	-0.2	0.1	0.1	
	15	-0.6	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.2	0.6	-0.1	0.5	0.0	0.5	0.0	0.4	0.3	0.0	0.1	0.1	0.1	-0.2	0.0	0.2	0.0
	30	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.5	-0.1	0.5	0.0	0.4	0.2	0.4	0.0	0.1	0.2	-0.1	0.2	0.5	0.0
	45	-0.7	-1.6	0.8	-0.8	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.5	-0.1	0.5	0.0	0.4	0.1	0.3	0.0	0.1	0.2	-0.2	-0.3	0.7	-0.3
	-10	-0.5	-1.5	0.8	-0.7	0.5	-0.5	0.5	-0.3	0.5	-0.2	0.5	-0.1	0.5	0.0	0.5	0.5	0.0	0.0	0.4	0.1	-0.3	0.0	0.1	
	0	-0.6	-1.5	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.1	0.5	-0.1	0.6	0.0	0.5	0.1	0.1	0.0	0.4	0.2	0.1	-0.3	0.1	0.2
15	15	-0.7	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	0.0	0.5	0.2	0.1	0.0	0.4	0.2	-0.1	-0.3	0.3	0.0
	30	-0.8	-1.6	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.5	0.1	0.2	0.0	0.4	0.2	-0.4	-0.2	0.6	-0.1
	45	-0.8	-1.5	0.9	-0.7	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.5	0.1	0.2	0.0	0.4	0.2	-0.3	0.7	-0.2	
	-10	-0.6	-1.5	0.8	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.6	0.5	0.3	-0.1	0.6	0.0	0.3	-0.4	0.0	0.1
	0	-0.8	-1.6	0.9	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.6	-0.1	0.6	0.2	0.6	0.0	0.6	0.1	0.0	-0.4	0.2	0.2
	15	-0.8	-1.6	0.9	-0.8	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.6	-0.1	0.6	0.2	0.2	0.0	0.6	0.1	-0.2	-0.3	0.3	0.0
30	30	-0.9	-1.6	0.9	-0.7	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.6	0.2	0.2	0.0	0.6	0.1	-0.3	-0.2	0.5	-0.1
	45	-1.0	-1.6	0.9	-0.8	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.6	0.1	0.3	0.0	0.5	0.1	-0.5	-0.3	0.7	-0.2
	-10	-0.7	-1.6	0.8	-0.8	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.7	-0.1	0.7	0.5	0.2	-0.2	0.7	-0.2	0.3	-0.3	0.1	
	0	-0.8	-1.6	0.9	-0.7	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.1	0.3	-0.1	0.7	0.0	-0.4	0.1	0.1	
	15	-0.9	-1.6	0.9	-0.8	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.7	0.1	0.4	-0.1	0.7	0.0	-0.2	-0.4	0.3	0.0
	30	-1.0	-1.6	0.9	-0.8	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.7	0.1	0.7	0.0	0.7	0.0	-0.4	-0.2	0.5	-0.2
45	45	-1.0	-1.6	0.9	-0.7	0.7	-0.5	0.7	-0.4	0.7	-0.3	0.7	-0.2	0.8	-0.1	0.7	0.2	0.0	-0.1	0.7	0.0	-0.3	-0.3	0.7	-0.3
	-10	-0.7	-1.6	0.8	-0.8	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.7	-0.1	0.7	0.5	0.2	-0.2	0.7	-0.2	0.3	-0.1	0.1	
	0	-0.8	-1.6	0.9	-0.7	0.6	-0.5	0.6	-0.3	0.6	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.1	0.3	-0.1	0.7	0.0	-0.4	0.1	0.1	
	15	-0.8	-1.6	0.9	-0.8	0.6	-0.5	0.7	-0.3	0.7	-0.2	0.6	-0.1	0.7	-0.1	0.6	0.2	0.2	0.0	0.6	0.1	-0.2	-0.3	0.3	0.0
	30	-0.9	-1.6	0.9	-0.8	0.7	-0.5	0.7	-0.3	0.7	-0.2	0.7	-0.1	0.7	-0.1	0.6	0.2	0.2	0.0	0.6	0.1	-0.3	-0.2	0.5	-0.1
	45	-1.0	-1.6	0.9	-0.7	0.7	-0.5	0.7	-0.4	0.7	-0.3	0.7	-0.2	0.8	-0.1	0.7	0.2	0.0	-0.1	0.7	0.0	-0.3	-0.3	0.7	-0.3



20. Sudut serang airfoil (α) 20° dan Kecepatan freestream (U_0) 20 m/s

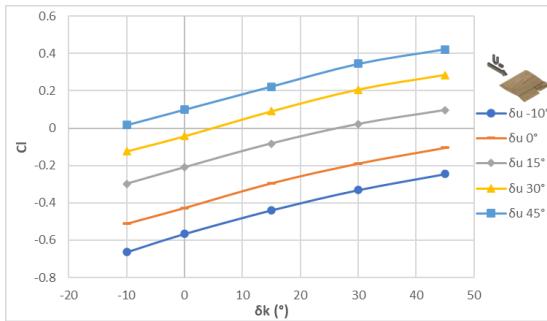
δ_u ($^{\circ}$)	δk ($^{\circ}$)	NILAI CP UNTUK AIRFOIL															CP FLAP UTAMA				CP FLAP KENDALI				
		h0	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15	h0	h1	h2	h3	h0	h1	h2	h3
-10	-10	0.2	-0.4	0.8	-0.5	0.5	-0.5	0.6	-0.6	0.5	-0.6	0.4	-0.5	0.4	-0.5	0.2	0.2	-0.2	-0.2	-0.1	-0.3	-0.3	-0.2	-0.1	
	0	0.2	-0.5	0.8	-0.5	0.5	-0.5	0.5	-0.6	0.5	-0.6	0.4	-0.5	0.4	-0.5	0.2	0.1	-0.3	-0.2	-0.1	-0.2	-0.3	-0.1	-0.2	
	15	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.6	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.2	0.0	-0.1	-0.1	-0.1	-0.4	-0.3	0.2	-0.2	
	30	0.1	-0.5	0.9	-0.5	0.6	-0.6	0.6	-0.6	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.3	-0.3	-0.2	-0.1	-0.1	-0.4	-0.3	0.5	-0.2	
	45	0.1	-0.5	0.9	-0.5	0.6	-0.6	0.6	-0.6	0.6	-0.6	0.5	-0.5	0.5	-0.5	0.3	-0.4	0.1	-0.2	-0.1	-0.1	-0.4	-0.3	0.7	-0.3
	-10	0.1	-0.5	0.8	-0.5	0.6	-0.6	0.6	-0.6	0.6	-0.6	0.5	-0.5	0.4	-0.5	0.3	0.2	0.4	-0.2	0.0	-0.1	-0.3	-0.3	-0.2	-0.1
0	0	0.0	-0.5	0.8	-0.6	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.5	-0.5	0.5	-0.4	0.3	0.1	-0.2	0.1	0.0	-0.3	-0.3	0.0	-0.1	
	15	-0.1	-0.6	0.8	-0.6	0.5	-0.7	0.6	-0.7	0.5	-0.7	0.5	-0.6	0.5	-0.5	0.3	-0.1	0.3	-0.1	0.1	0.0	-0.4	-0.3	0.3	-0.1
	30	-0.4	-0.9	0.5	-0.9	0.3	-1.0	0.3	-1.0	0.2	-0.8	0.2	-0.7	0.0	-0.4	0.0	-0.1	0.1	0.0	-0.4	-0.3	0.5	-0.2		
	45	-0.1	-0.6	0.9	-0.6	0.7	-0.6	0.7	-0.7	0.7	-0.7	0.6	-0.5	0.6	-0.4	0.4	-0.1	0.3	-0.1	0.1	0.0	-0.4	-0.3	0.7	-0.2
	-10	0.0	-0.6	0.9	-0.6	0.6	-0.6	0.6	-0.7	0.6	-0.6	0.6	-0.5	0.6	-0.4	0.5	0.2	0.0	-0.1	0.3	0.0	-0.2	-0.3	-0.1	-0.1
	15	-0.2	-0.7	0.7	-0.8	0.5	-0.8	0.5	-0.9	0.5	-0.8	0.4	-0.6	0.4	-0.5	0.3	-0.1	0.1	0.0	0.4	0.1	-0.3	-0.3	0.1	-0.1
15	15	-0.1	-0.6	0.9	-0.6	0.7	-0.6	0.7	-0.7	0.7	-0.6	0.6	-0.5	0.6	-0.3	0.5	0.1	0.0	0.0	0.4	0.1	-0.4	-0.3	0.3	-0.1
	30	-0.1	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.7	0.7	-0.7	0.6	-0.5	0.7	-0.4	0.5	0.0	0.2	-0.1	0.4	0.1	-0.4	-0.3	0.5	-0.2
	45	-0.1	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.4	0.5	0.0	0.0	-0.1	0.4	0.1	-0.5	-0.3	0.7	-0.2
	-10	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.7	0.7	-0.6	0.6	-0.5	0.6	-0.4	0.6	0.3	0.2	-0.1	0.6	0.1	-0.2	-0.3	-0.1	-0.1
	0	-0.1	-0.6	0.9	-0.6	0.7	-0.6	0.7	-0.7	0.7	-0.6	0.6	-0.4	0.7	-0.3	0.6	0.1	0.6	0.0	0.6	0.1	-0.3	0.1	-0.1	
	15	-0.1	-0.6	0.9	-0.6	0.7	-0.7	0.7	-0.7	0.7	-0.7	0.6	-0.5	0.7	-0.3	0.6	0.1	0.1	0.0	0.6	0.1	-0.4	-0.3	0.3	-0.1
30	-10	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.4	0.7	-0.3	0.6	0.1	0.0	-0.1	0.6	0.1	-0.5	-0.3	0.7	-0.2
	0	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.1	0.0	-0.1	0.6	0.1	-0.5	-0.3	0.5	-0.2
	15	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.1	0.2	-0.1	0.6	0.1	-0.5	-0.3	0.5	-0.2
	45	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.1	0.0	-0.1	0.6	0.1	-0.5	-0.3	0.7	-0.2
	-10	-0.2	-0.7	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.7	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.4	0.2	-0.1	0.7	0.0	-0.2	-0.4	-0.1	-0.1
	0	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.3	0.7	-0.1	0.8	0.1	-0.3	0.1	-0.1	
45	-10	-0.2	-0.7	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.4	0.2	-0.1	0.7	0.0	-0.2	-0.4	-0.1	-0.1
	0	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.3	0.7	-0.1	0.8	0.1	-0.3	0.3	-0.1	
	15	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.2	0.3	-0.1	0.8	0.1	-0.3	0.3	-0.1	
	30	-0.2	-0.7	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.1	0.7	-0.1	0.8	0.1	-0.5	-0.3	0.5	-0.2
	45	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.2	0.1	-0.1	0.7	0.1	-0.3	0.7	-0.3	
	-10	-0.1	-0.6	0.9	-0.7	0.7	-0.7	0.7	-0.8	0.8	-0.7	0.7	-0.5	0.7	-0.3	0.6	0.2	0.1	-0.1	0.7	0.1	-0.3	0.7	-0.3	



Lampiran 3 Nilai Koefisien Lift (C_L) Pendekatan Komputasi

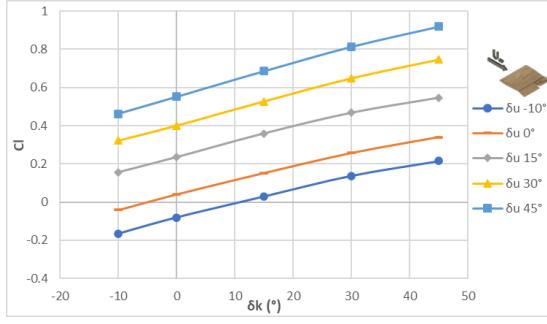
a. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.66321	-0.51215	-0.29871	-0.12409	0.01631
0	-0.5656	-0.42702	-0.21019	-0.04276	0.099188
15	-0.43891	-0.29485	-0.08236	0.090549	0.223031
30	-0.33055	-0.18896	0.022117	0.207044	0.344744
45	-0.24499	-0.10483	0.096531	0.285318	0.422653



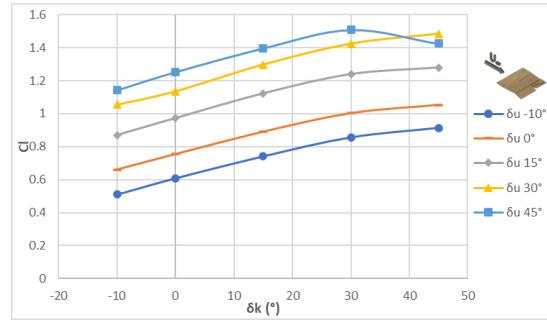
b. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.16604	-0.04029	0.155496	0.321951	0.462607
0	-0.08104	0.041167	0.235151	0.401075	0.551582
15	0.029014	0.15279	0.359725	0.527941	0.68578
30	0.137422	0.257067	0.468234	0.648778	0.813881
45	0.214591	0.340119	0.547353	0.746797	0.919297



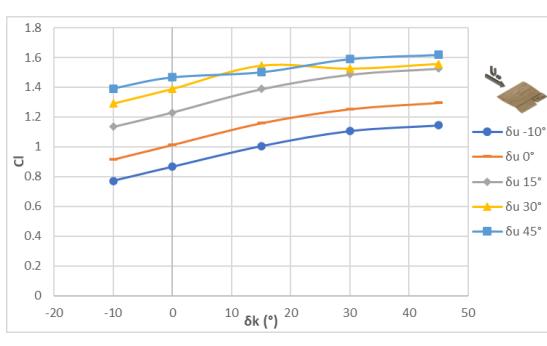
c. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.511024	0.660922	0.870165	1.055432	1.142817
0	0.608963	0.754621	0.973198	1.13667	1.252835
15	0.741701	0.890155	1.123211	1.297842	1.396367
30	0.85664	1.002968	1.240278	1.424333	1.508785
45	0.914443	1.053207	1.280566	1.484287	1.424698

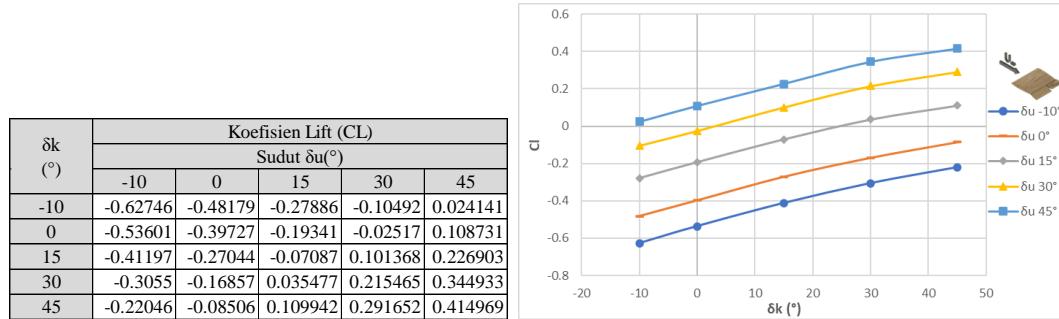


d. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) 20°

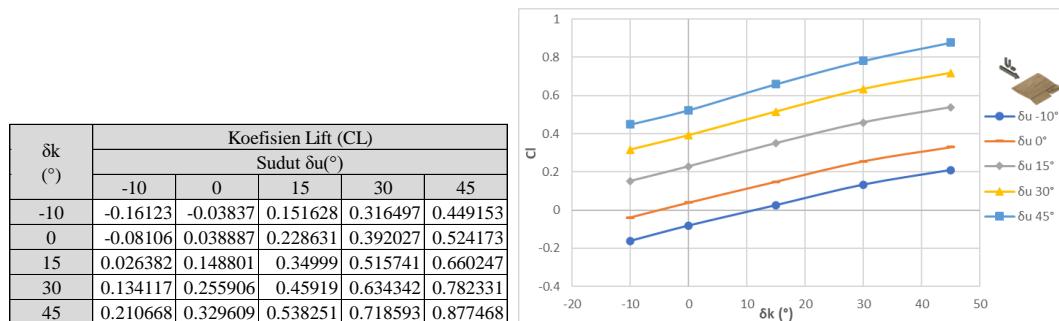
δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.771665	0.914516	1.133422	1.290333	1.39131
0	0.86612	1.012881	1.230957	1.389341	1.466132
15	1.004517	1.158866	1.387711	1.545493	1.500603
30	1.105607	1.253275	1.485837	1.524949	1.589177
45	1.143184	1.295627	1.526168	1.557257	1.617527



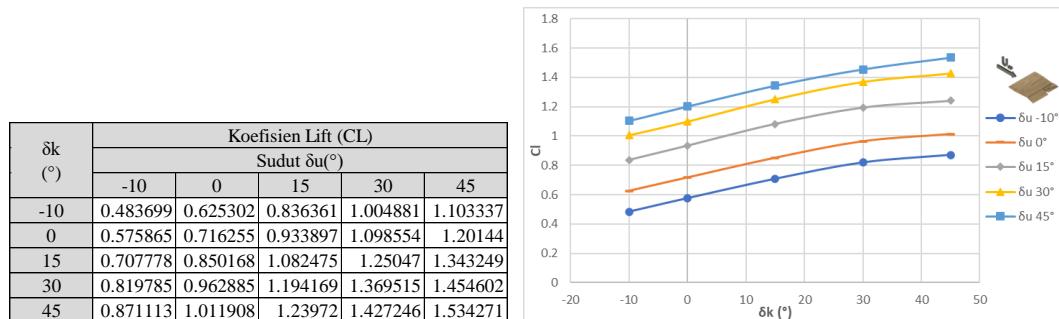
e. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) -10°



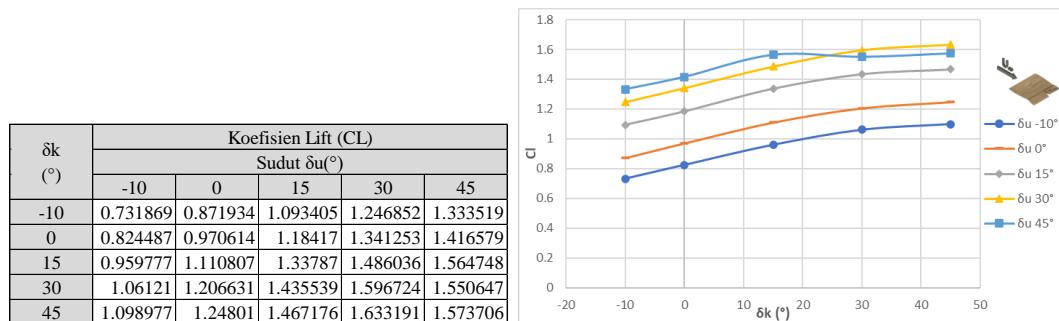
f. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) 0°



g. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) 15°

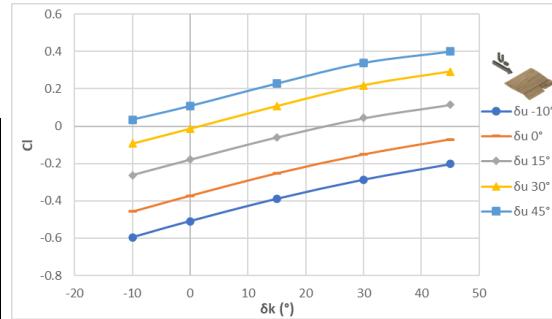


h. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) 20°



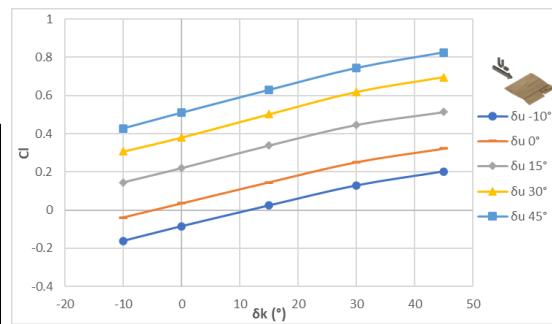
i. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.59661	-0.45595	-0.26223	-0.09334	0.034518
0	-0.50936	-0.37172	-0.17923	-0.01354	0.108471
15	-0.38917	-0.25219	-0.05951	0.107491	0.229169
30	-0.2863	-0.15152	0.043321	0.218645	0.340148
45	-0.20316	-0.07153	0.115208	0.291942	0.400878



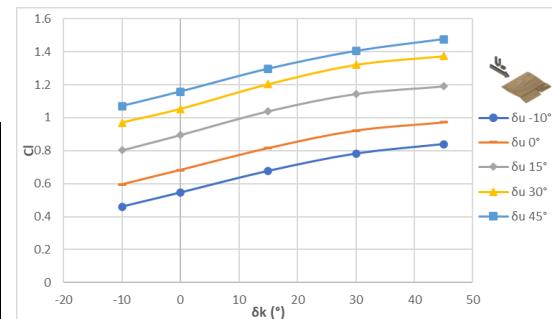
j. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.16119	-0.03886	0.144955	0.307821	0.42754
0	-0.0844	0.034719	0.220191	0.381316	0.509424
15	0.024398	0.145172	0.33846	0.502029	0.628754
30	0.129441	0.250698	0.446992	0.618834	0.743603
45	0.202782	0.321662	0.514264	0.696127	0.825137



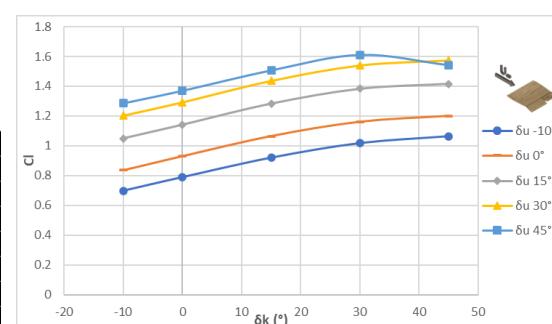
k. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.460286	0.595041	0.802421	0.970778	1.069185
0	0.545886	0.683194	0.895495	1.053771	1.157426
15	0.676271	0.816093	1.038882	1.203489	1.295573
30	0.781028	0.92271	1.143754	1.321762	1.403427
45	0.838608	0.97255	1.189352	1.374159	1.475177



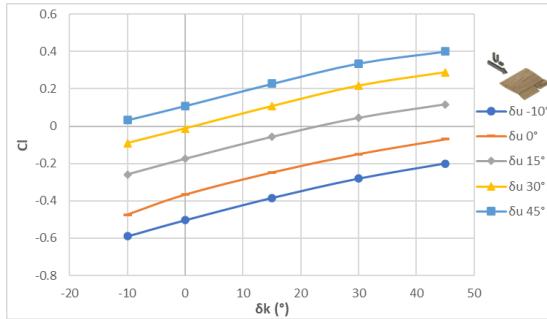
l. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.697737	0.836088	1.048348	1.202384	1.286978
0	0.788801	0.930529	1.140597	1.29272	1.370804
15	0.919142	1.064909	1.282849	1.437646	1.506065
30	1.016589	1.160799	1.382882	1.541704	1.609547
45	1.062644	1.199929	1.416134	1.575396	1.540854



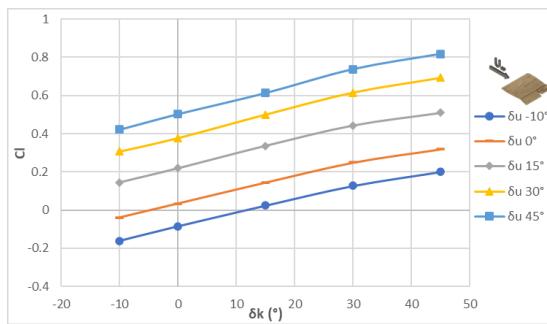
m. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.59009	-0.47491	-0.25903	-0.09092	0.032713
0	-0.50382	-0.36751	-0.17548	-0.01213	0.109048
15	-0.38504	-0.24839	-0.05794	0.107433	0.227188
30	-0.28159	-0.14922	0.043974	0.217492	0.3366
45	-0.2009	-0.06979	0.116198	0.289281	0.400322



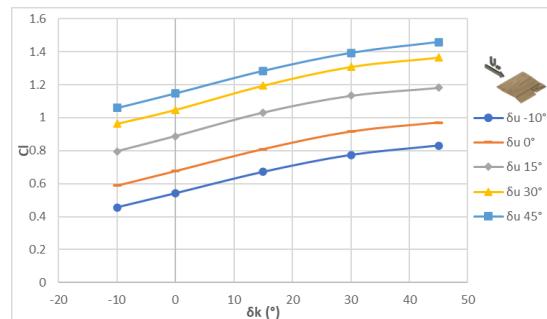
n. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.16123	-0.03985	0.144013	0.307533	0.422775
0	-0.08512	0.034031	0.218404	0.37837	0.503482
15	0.023366	0.144032	0.336161	0.501047	0.613447
30	0.126935	0.249059	0.443066	0.616201	0.737707
45	0.200651	0.319592	0.509166	0.693275	0.817158



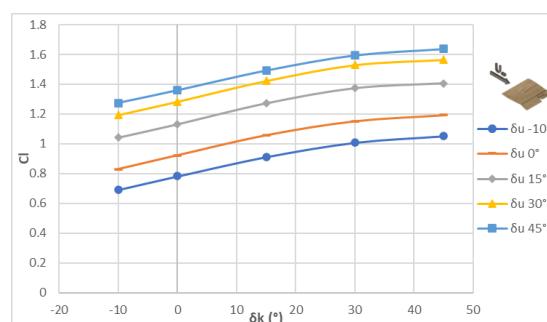
o. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.454976	0.589548	0.795754	0.964254	1.059706
0	0.540807	0.677389	0.888282	1.048618	1.147919
15	0.67097	0.809462	1.031621	1.194991	1.283277
30	0.774078	0.915378	1.133589	1.308364	1.39174
45	0.831413	0.969651	1.181939	1.364467	1.457162



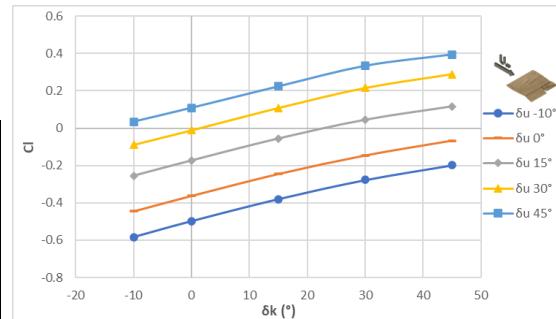
p. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.691276	0.829974	1.041354	1.19442	1.27382
0	0.781905	0.923112	1.131278	1.284264	1.359745
15	0.911528	1.057619	1.272057	1.423416	1.493166
30	1.007761	1.151528	1.373831	1.530218	1.595706
45	1.051935	1.192102	1.406571	1.565222	1.638863



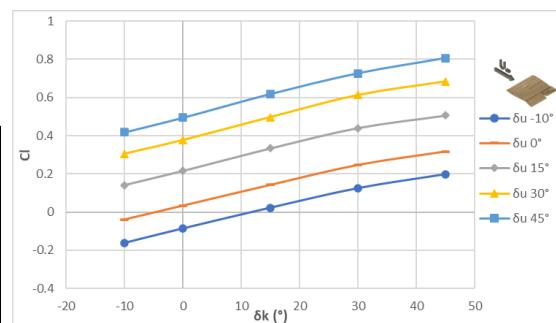
q. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.5836	-0.44581	-0.25498	-0.08834	0.034586
0	-0.49814	-0.36319	-0.17322	-0.01068	0.109004
15	-0.37982	-0.24533	-0.05547	0.108776	0.22381
30	-0.27762	-0.14591	0.044781	0.215756	0.334276
45	-0.19839	-0.06649	0.116489	0.289394	0.394911



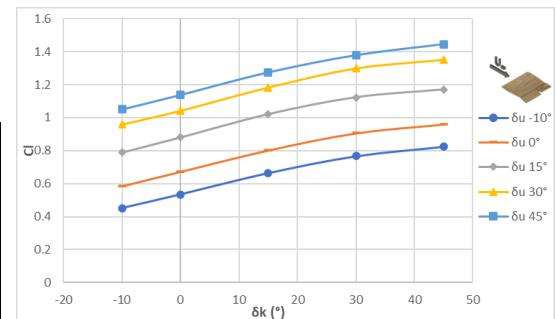
r. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.16134	-0.03975	0.141574	0.304927	0.418902
0	-0.08594	0.033123	0.215972	0.377509	0.495447
15	0.022647	0.142248	0.333514	0.497542	0.618904
30	0.124852	0.247094	0.440112	0.613691	0.727105
45	0.197752	0.317676	0.505451	0.684804	0.806313



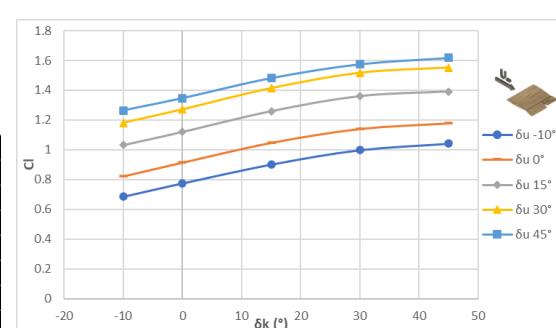
s. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.450878	0.583723	0.788752	0.958382	1.050454
0	0.534594	0.671776	0.88054	1.041727	1.138401
15	0.663609	0.801647	1.02115	1.18288	1.274816
30	0.766452	0.906111	1.123322	1.299411	1.37917
45	0.824304	0.960074	1.170407	1.351527	1.446111



t. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) 20°

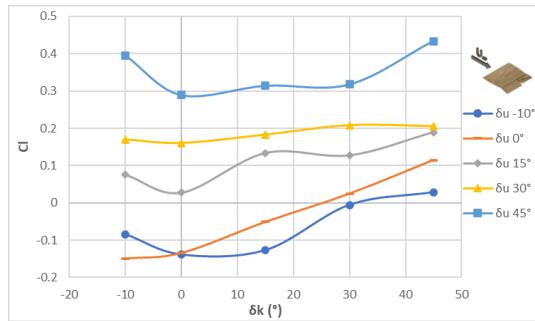
δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.684584	0.821895	1.031926	1.18211	1.264348
0	0.774389	0.914134	1.121032	1.271844	1.347182
15	0.901583	1.047441	1.260088	1.413713	1.482566
30	0.998755	1.140837	1.361495	1.51655	1.575808
45	1.042302	1.178545	1.39226	1.551405	1.618533



Lampiran 4 Nilai Koefisien Lift (C_L) Pendekatan Eksperimental

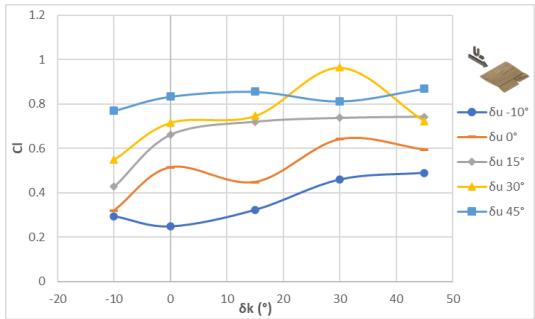
a. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.08388	-0.14888	0.075446	0.170124	0.394314
0	-0.13824	-0.13391	0.02779	0.160688	0.28894
15	-0.12634	-0.05079	0.133558	0.183018	0.314189
30	-0.00562	0.024729	0.1272	0.208503	0.317597
45	0.028342	0.114482	0.188658	0.205894	0.433548



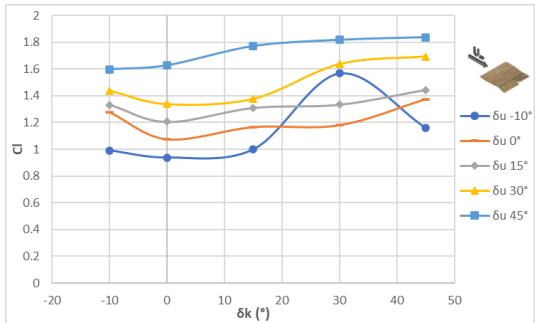
b. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.293516	0.319341	0.427262	0.548882	0.770349
0	0.247378	0.515162	0.66208	0.716648	0.834252
15	0.322101	0.448304	0.720916	0.747185	0.856322
30	0.45923	0.642067	0.737705	0.964945	0.813194
45	0.489277	0.5952	0.743361	0.722869	0.86989



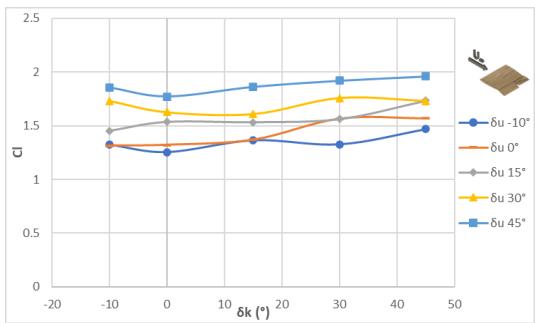
c. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.991248	1.274745	1.332473	1.43905	1.59822
0	0.938606	1.073829	1.205602	1.339701	1.628433
15	1.000323	1.165033	1.31004	1.379951	1.771552
30	1.568714	1.179222	1.333567	1.638027	1.817461
45	1.159088	1.373364	1.443277	1.693859	1.836586



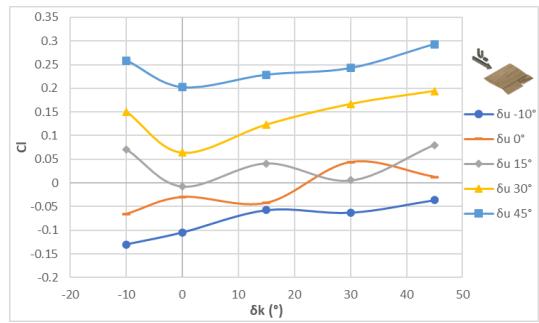
d. Kecepatan *freestream* (U_0) 6 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	1.322981	1.314731	1.453428	1.729574	1.857058
0	1.254293	1.321179	1.536309	1.627653	1.77234
15	1.364746	1.369093	1.532664	1.611891	1.863287
30	1.326826	1.566432	1.561526	1.758113	1.921652
45	1.46812	1.569051	1.733416	1.731319	1.961988



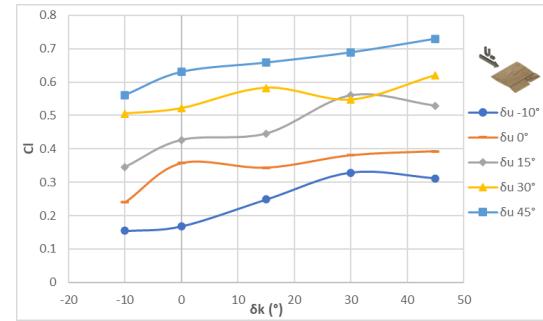
e. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.13017	-0.0657	0.070277	0.150097	0.25872
0	-0.1047	-0.02992	-0.00717	0.063973	0.202336
15	-0.05758	-0.0424	0.041156	0.12333	0.228864
30	-0.06299	0.043687	0.005379	0.166713	0.242833
45	-0.03654	0.012699	0.079699	0.193996	0.293427



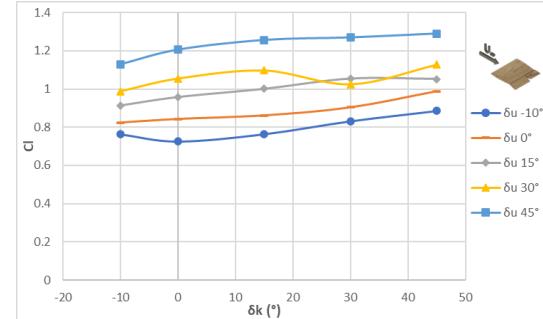
f. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.154404	0.239499	0.345908	0.505989	0.56105
0	0.168539	0.356982	0.42697	0.522185	0.630457
15	0.248092	0.343529	0.445922	0.583079	0.658357
30	0.328381	0.380816	0.560276	0.547753	0.688972
45	0.311332	0.392707	0.529222	0.620991	0.729885



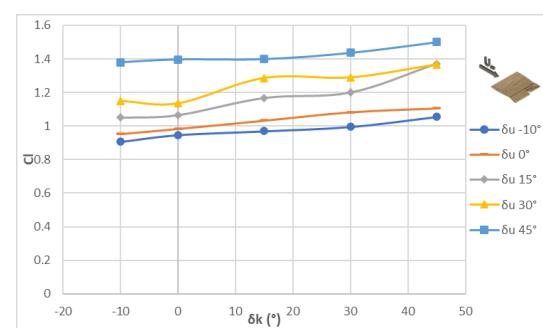
g. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.763261	0.824905	0.914136	0.987399	1.129012
0	0.726317	0.843385	0.957658	1.054803	1.205366
15	0.764802	0.862196	1.000359	1.097288	1.256054
30	0.832244	0.904277	1.053269	1.023777	1.269218
45	0.885743	0.988744	1.051614	1.128102	1.289531



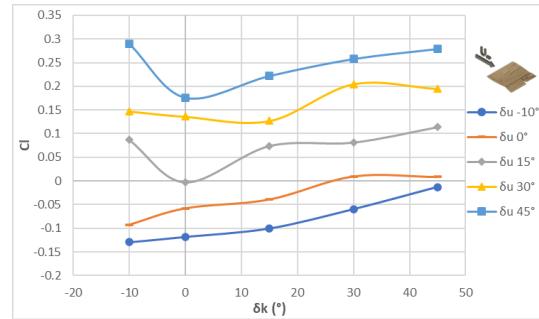
h. Kecepatan *freestream* (U_0) 9 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.906743	0.953073	1.049891	1.151468	1.37963
0	0.946958	0.983942	1.066063	1.137731	1.396632
15	0.969868	1.033249	1.167601	1.287277	1.398421
30	0.995724	1.083026	1.199934	1.289977	1.436243
45	1.055581	1.106049	1.370646	1.366563	1.500924



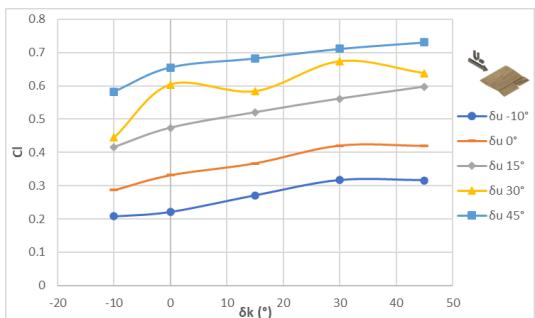
i. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.12909	-0.09235	0.086501	0.147252	0.289618
0	-0.11779	-0.05781	-0.00249	0.136106	0.175357
15	-0.10006	-0.03913	0.074321	0.127071	0.221792
30	-0.05968	0.009606	0.081612	0.204696	0.257852
45	-0.01326	0.008461	0.114011	0.194997	0.279247



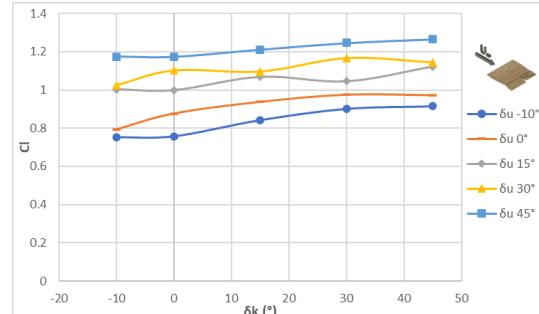
j. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.208453	0.286854	0.415847	0.445431	0.582239
0	0.222067	0.331563	0.473907	0.604489	0.655722
15	0.27135	0.367047	0.520422	0.584486	0.682425
30	0.316859	0.419883	0.561572	0.674006	0.711455
45	0.316267	0.41887	0.597284	0.638209	0.730865



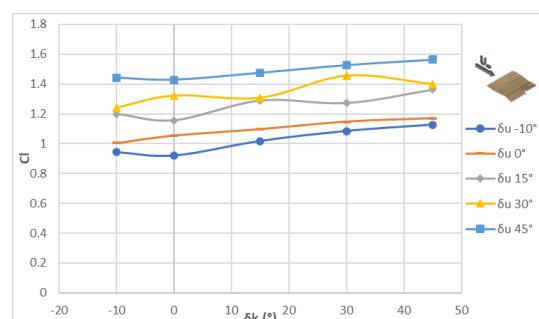
k. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.751147	0.794574	1.002965	1.025875	1.175113
0	0.756822	0.876773	0.998199	1.101673	1.17376
15	0.842026	0.936783	1.068243	1.096071	1.21149
30	0.901436	0.974148	1.044846	1.165542	1.246189
45	0.914642	0.970893	1.122798	1.143211	1.26618



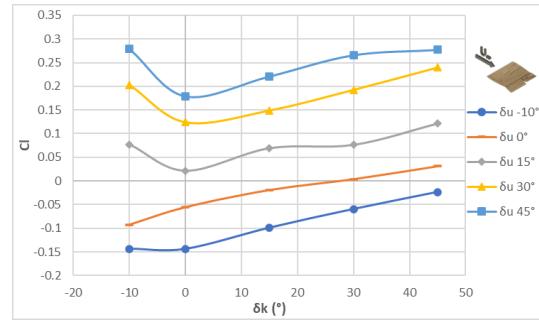
l. Kecepatan *freestream* (U_0) 15 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.942362	1.00637	1.199998	1.240904	1.442505
0	0.920491	1.055824	1.156421	1.322055	1.428935
15	1.018334	1.098026	1.290486	1.307347	1.476107
30	1.085293	1.147444	1.273444	1.457394	1.528475
45	1.127105	1.169371	1.364374	1.40016	1.565171



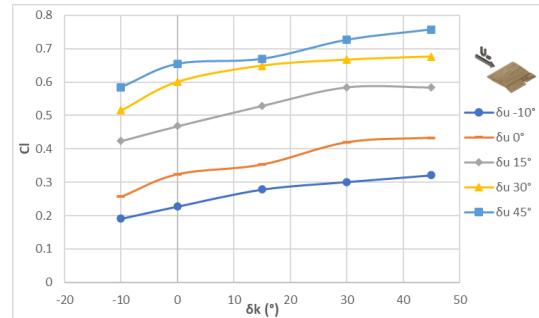
m. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.14372	-0.09294	0.077318	0.203462	0.278945
0	-0.14398	-0.05588	0.021572	0.124641	0.17834
15	-0.09895	-0.01947	0.069432	0.149477	0.220727
30	-0.0593	0.003572	0.076335	0.192901	0.2659
45	-0.02316	0.030923	0.121288	0.239972	0.277151



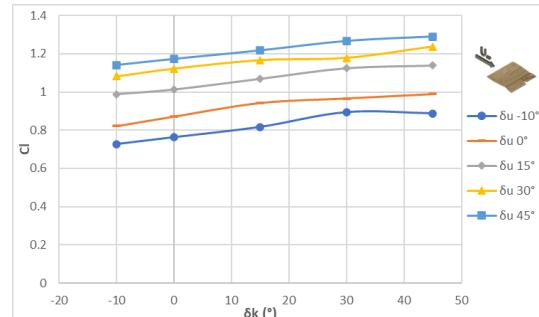
n. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.191218	0.25747	0.423668	0.514941	0.584828
0	0.22763	0.3247	0.468029	0.600668	0.654716
15	0.278396	0.353485	0.528934	0.649018	0.669619
30	0.301042	0.419985	0.584795	0.666821	0.726701
45	0.321074	0.433534	0.58421	0.676171	0.757711



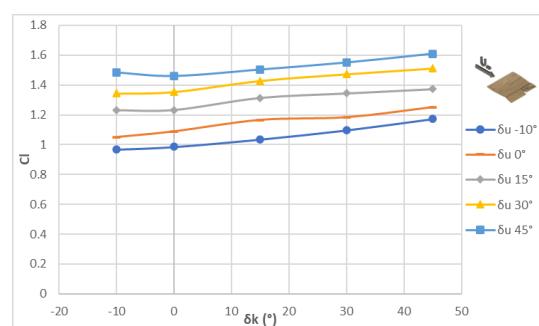
o. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) 15°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.727415	0.821831	0.987823	1.08209	1.140861
0	0.763209	0.871608	1.012721	1.12219	1.17279
15	0.81703	0.942558	1.069337	1.16629	1.21742
30	0.893955	0.966219	1.125934	1.178414	1.266762
45	0.887183	0.988935	1.139468	1.237309	1.289632



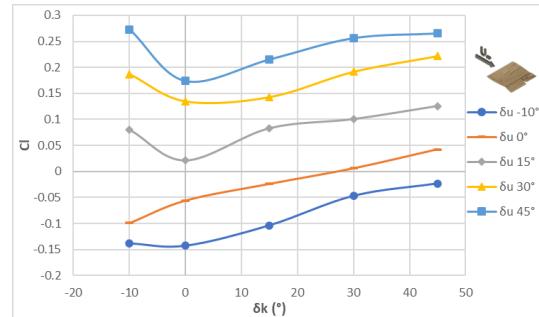
p. Kecepatan *freestream* (U_0) 17 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.967468	1.049881	1.230576	1.343859	1.485128
0	0.985493	1.088589	1.232734	1.354992	1.462574
15	1.03555	1.165966	1.31445	1.429364	1.505174
30	1.097249	1.183876	1.34453	1.473663	1.55163
45	1.17288	1.251991	1.373327	1.512357	1.609706



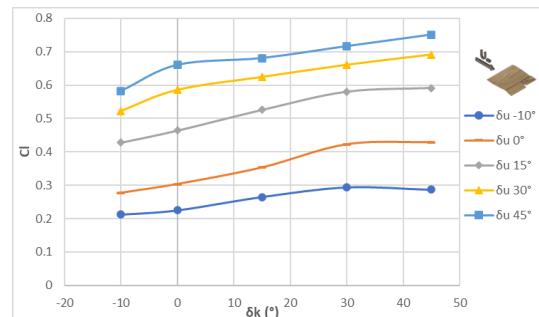
q. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) -10°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	-0.13818	-0.09921	0.08003	0.187158	0.273248
0	-0.14266	-0.05578	0.020889	0.134779	0.173729
15	-0.10346	-0.02376	0.082868	0.142921	0.215106
30	-0.04698	0.006032	0.100468	0.191481	0.256114
45	-0.02318	0.042515	0.12561	0.22148	0.265198



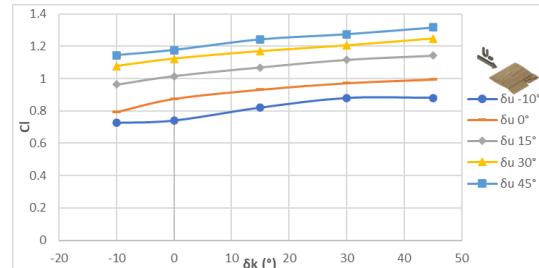
r. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) 0°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.211717	0.277147	0.427512	0.522415	0.582656
0	0.224814	0.303462	0.46393	0.585439	0.660535
15	0.264937	0.35324	0.525885	0.624161	0.680878
30	0.293842	0.422609	0.580498	0.660528	0.716456
45	0.286594	0.42904	0.59161	0.69125	0.750833



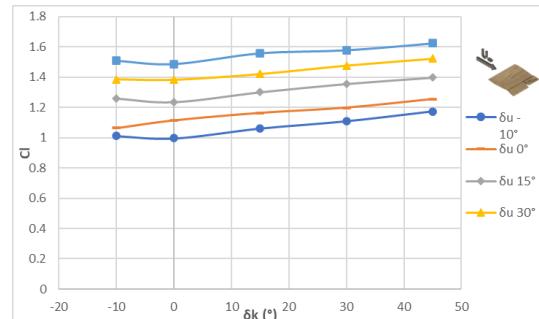
s. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) 15°

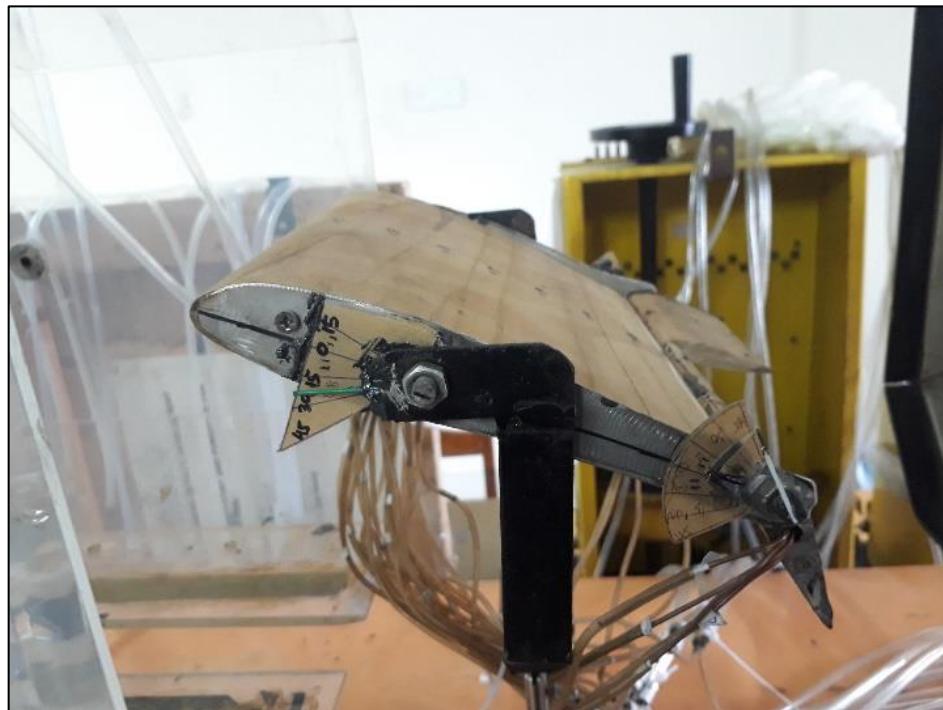
δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	0.728547	0.792491	0.962335	1.077354	1.144084
0	0.742787	0.874175	1.015445	1.123006	1.17664
15	0.821049	0.931285	1.069181	1.169116	1.242454
30	0.879566	0.971699	1.115901	1.204677	1.274461
45	0.880877	0.993907	1.14112	1.246891	1.315695



t. Kecepatan *freestream* (U_0) 20 m/s, sudut serang *airfoil* (α) 20°

δk ($^\circ$)	Koefisien Lift (CL)				
	Sudut δu ($^\circ$)				
	-10	0	15	30	45
-10	1.011895	1.063998	1.259161	1.385702	1.507536
0	0.996784	1.114675	1.235331	1.382643	1.485779
15	1.061679	1.16381	1.300931	1.421334	1.558353
30	1.109603	1.198089	1.35592	1.477772	1.578607
45	1.173905	1.254266	1.397609	1.52373	1.625107



Lampiran 5 Dokumentasi

Model benda uji



Studi literatur dan pengambilan data komputasi



Pengambilan data eksperimental



Analisa data dan penyusunan skripsi