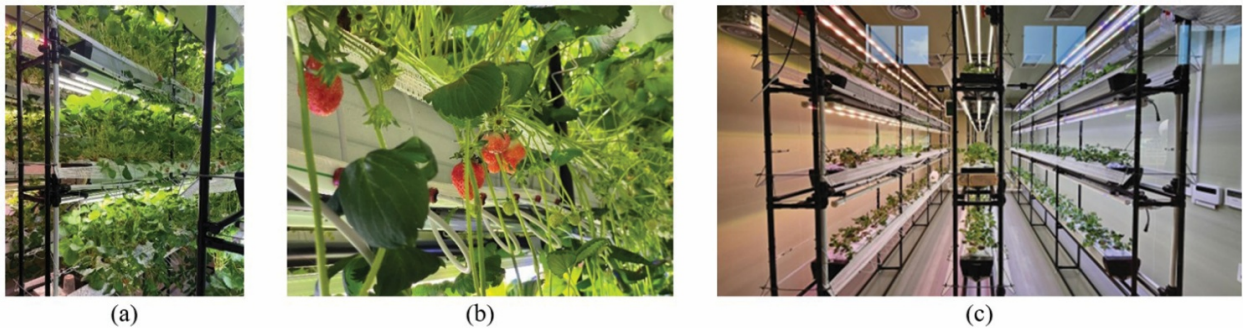


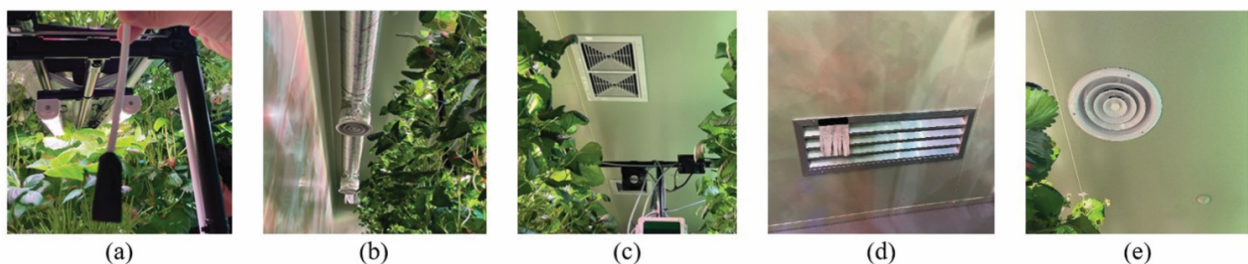
## SUPPLEMENTARY MATERIAL

### Optimization of microclimate uniformity in a multi-layer container-type strawberry smart farm using CFD and the Taguchi method

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**Figure S1.** Overview of the experimental container-type smart farm facility: (a) interior view of the vertical cultivation beds; (b) close-up view of strawberry fruit development in the vertical cultivation beds; and (c) interior view of the vertical strawberry cultivation beds in the container-type smart farm



**Figure S2** Detailed photographs of the internal environmental control systems: (a) CO<sub>2</sub> enrichment nozzle of the smart farm; (b) air-conditioning duct installed in the smart farm; (c) ceiling-mounted air conditioner of the smart farm; (d) air inlet vent for the internal environmental control system; and (e) air outlet installed on the ceiling for internal air discharge.