WIND TUNNEL GUIDELINE

!! THIS PROJECT IS COMPLETED, YOU CAN FKN OPEN THE LINK AND BUILD !!
Link to full project:
https://drive.google.com/drive/folders/1bHIFcnjtD8St76Y3txBknWLCl7tU1ZA_?usp=sharing
!! IF YOU HAVE QUESTIONS LET ME KNOW !!
Since it's an online project for individuals to build, we must Focus on making it as available to build as possible for most participants (as exemple, buy parts from aliexpress) the project will be a low speed subsonic wind tunnel.

!! WIND TUNNEL SIZE IS 20*20*60 (unit: cm)!!
To build the project, we need to set the Components requirements:

- **Settling Chamber:** Smooths and straightens the airflow
- **Contraction Cone:** Accelerates the airflow into the test section.
- **Test section:** Where jet fighters are placed for testing,
- **Diffuser:** Slows down the airflow after the test section.
- **Fan / Propeller:** Generates the airflow shape.
- **Motor:** Pushes the airflow
- **Vacuum:** Smooths and straightens the airflow

Below you can add a link under each component to parts/designs (grabcad/thingiverse/aliexpress...) that you find good for the project.

I will be personally (discord: ahmad_fluffy) responsible on the progress of the project, i will be working on it on regular basis and hopefully also build my own wind tunnel, so text me if you have any suggestions/questions
I will keep the document open for editing by anyone so kindly use it responsibly.

INSERT LINKS OF SUGGESTIONS BELOW:

Link of Settling chamber :
- https://drive.google.com/file/d/1uOcxxzCMr86wI57ivT3WJYyiQlp5zYZk/view?usp=drive_link
-

Link of Contraction Cone :
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  https://drive.google.com/file/d/1SnWQUL-5HGSiXSteU49goFXIQV1k5eOB/view?usp=drive_link
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Link of Test section :

- https://drive.google.com/file/d/1fGhQHEPdRw5_2-9-WS5oQ_mRfx2T9LA-/view?usp=drive_link

Link of Diffuser :

- https://drive.google.com/file/d/1wvYEI7tNgYHDY6MNemg1PM78n7Tdb9qR/view?usp=drive_link
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Link of Fan/Propeller :

- Also your choice.
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Link of Motor :

- Big ahh RC motor
- Speed controller
- Generally you can use any AS LONG AS YOU UNDERSTAND THEIR RPM

If you're not sure of the component then you can always throw me a message, I will keep an eye on all the resources and links to create the best possible combination. It would also be lovely if you mention the materials/properties of your recommendations.