



## **DESAIN INDUSTRI 1**

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**INTRODUCTION  
PERTEMUAN KE-1  
GEGGY GAMAL S., S.DES, M.DES  
DESAIN PRODUK / FDIK**

# KONTRAK PEMBELAJARAN DAN CAPAIAN

## KONTRAK

- Kehadiran : 10%
- Tugas : 0%
- UTS : 45%
- UAS : 45%

## CAPAIAN

- Mahasiswa/i mampu memahami tahap-tahap proses mendesain sebuah produk industri
- Mahasiswa/i mampu memahami cara berpikir dalam proses ilmu desain produk industri

## Materi Sebelum UTS

**01.** *Pendahuluan : Introduction of Industrial Design 1*

**02.** *Arahan Product Concept : Trend Forecasting*

**03.** *Design by Research & Analysis*

**04.** *Conceptual Exploration with trend forecasting methods*

**05.** *Concept Development: Brainstorming Idea*

**06.** *Development Design Exploration 1*

**07.** *Development Design Exploration 2*

## Materi Setelah UTS

**08.** *Final Design Development*

**09.** *2D Development: Digital Rendering*

**10.** *3D Development: CAID/CAS*

**11.** *3D Modelling Exploration*

**12.** *Final of 3D Modelling & Preparation of 3D Rendering*

**13.** *Final of 3D Rendering: Realistic Photometric*

**14.** *3D Design Convert to Rapid-Prototype & Making the Prototype*

# DESAIN INDUSTRI 1

## *INDUSTRIAL DESIGN 1*



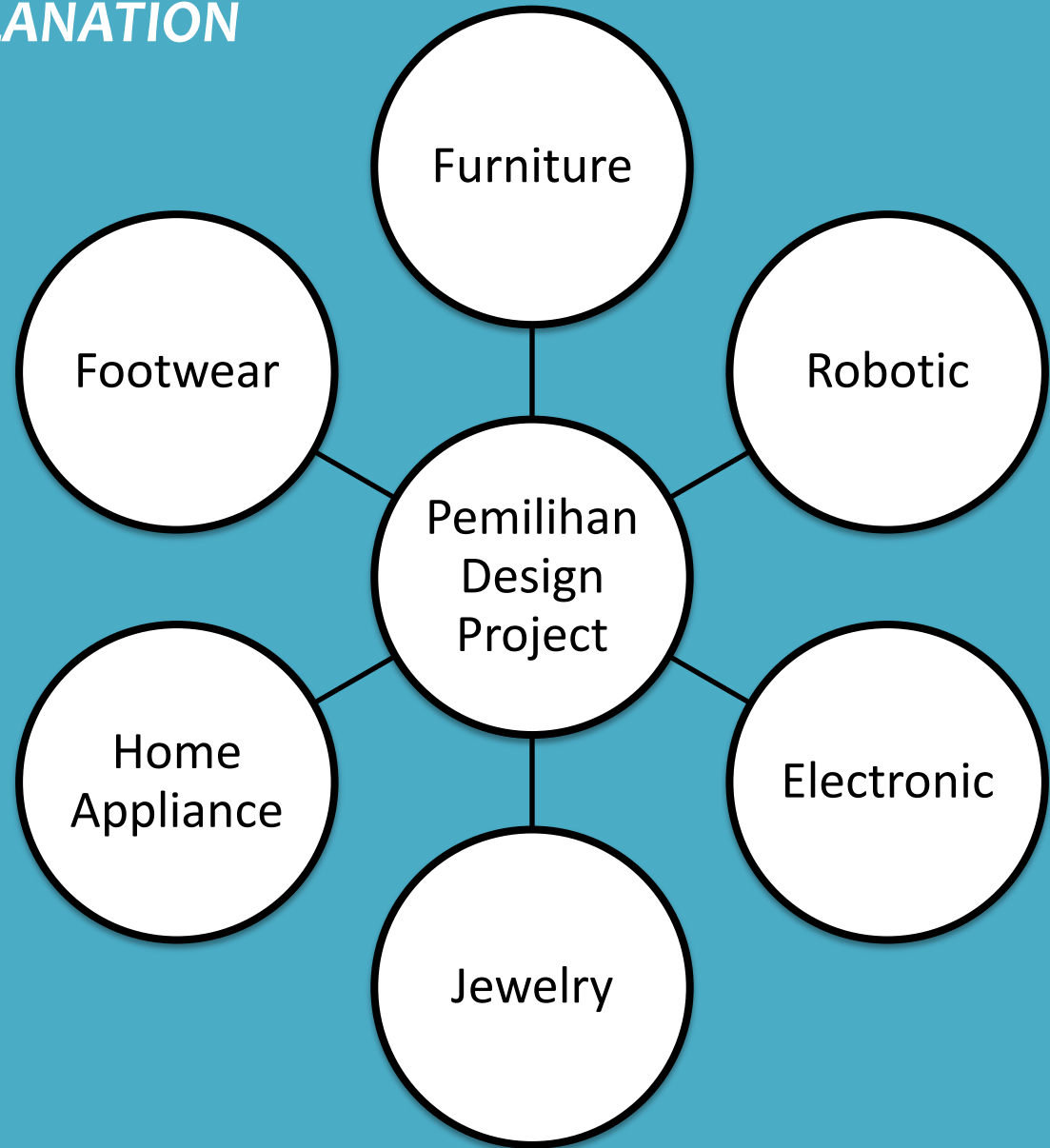
Lecturer | Geggy Gamal S., S.Des, M.Des

Pendahuluan

# PENJELASAN AREA PRODUK

## PRODUCT SCOPES EXPLANATION

Project diarahkan yang lebih berhubungan dan berkaitan dengan produksi massal. Bagaimana menciptakan desain industri kearah desain industri yang baru yaitu industri berbasis kreatif







FOOTWEAR

Sport



Casual



Fashion

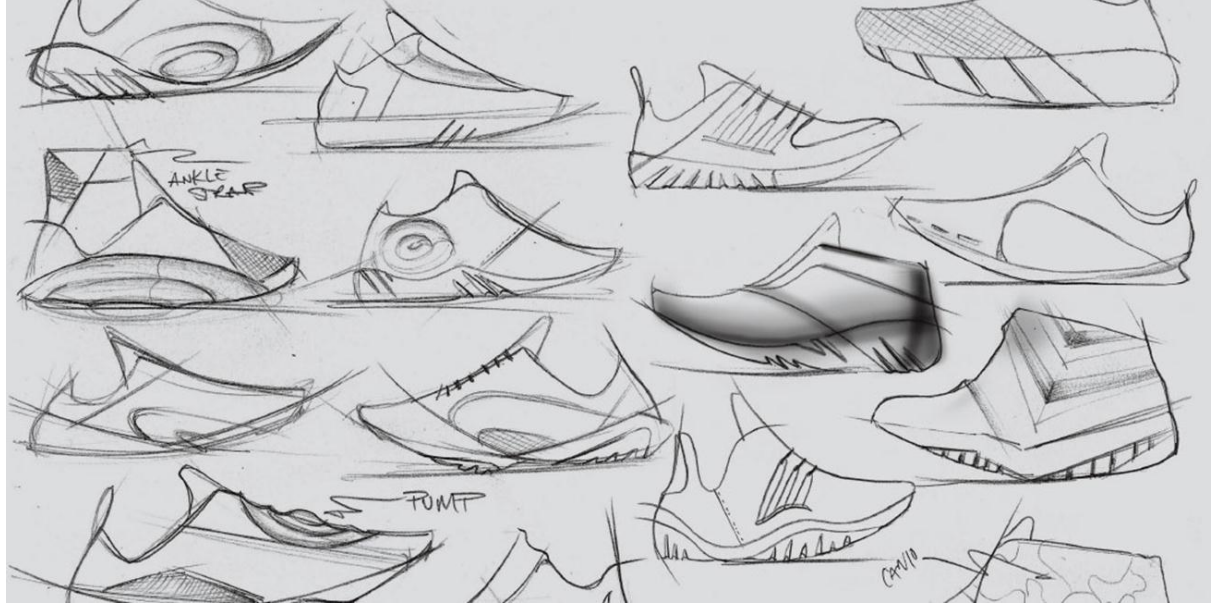
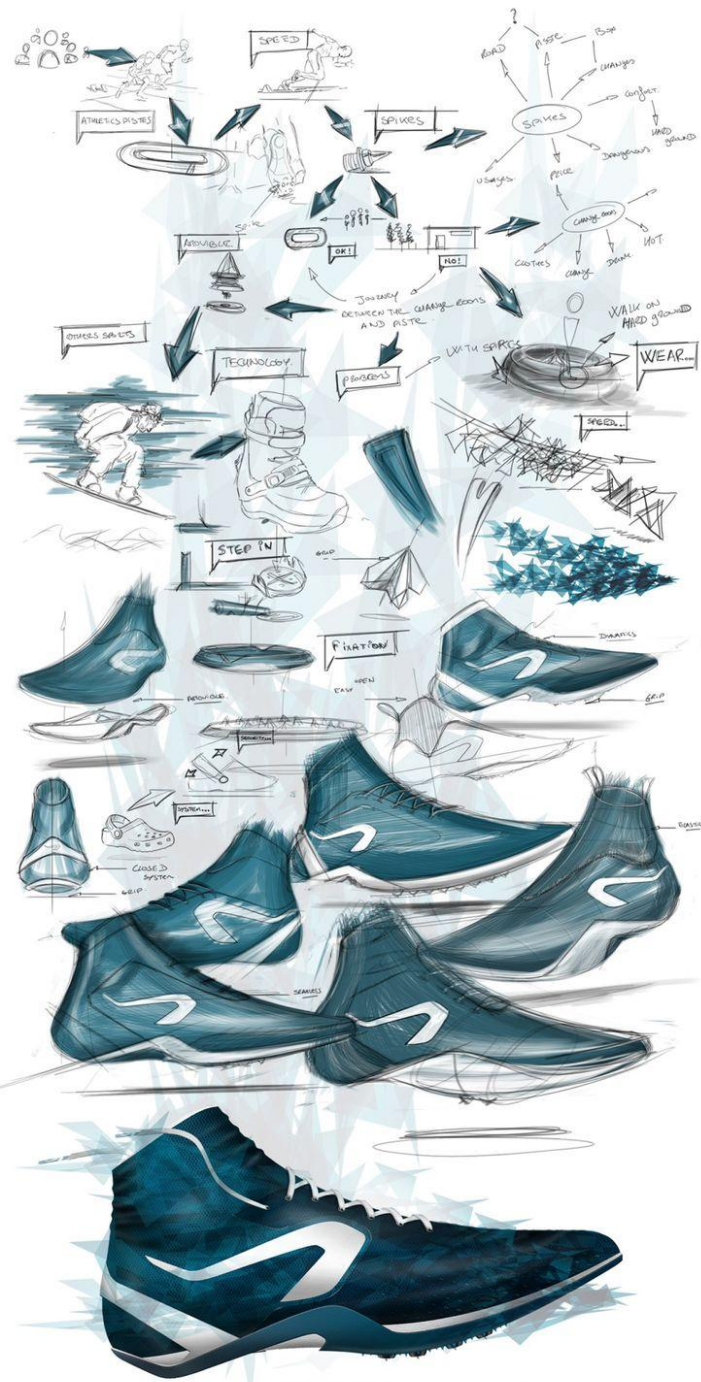


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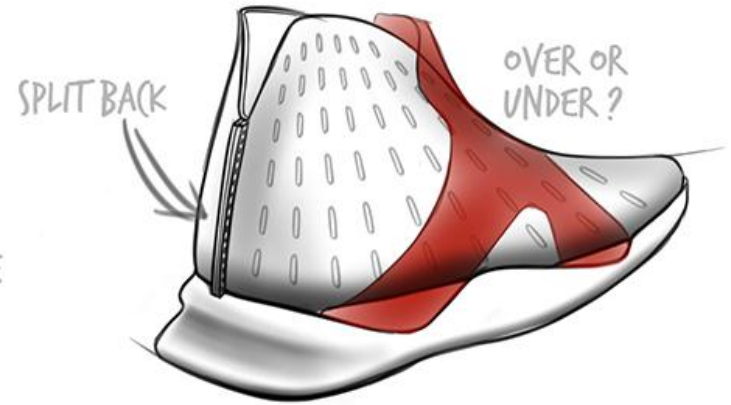
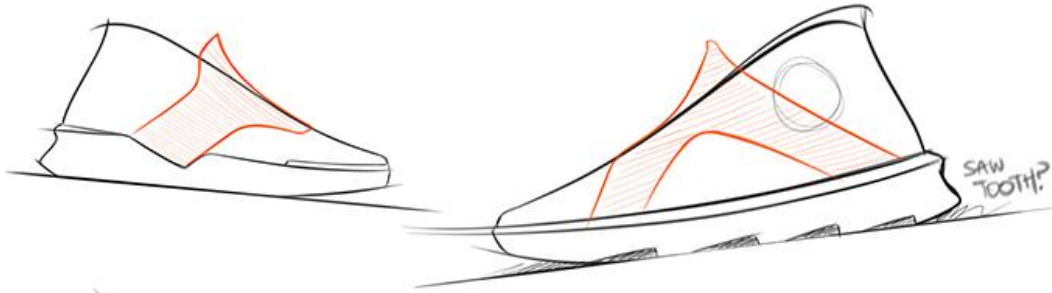


- Cycling
- Running
- Basketball
- Climbing
- etc







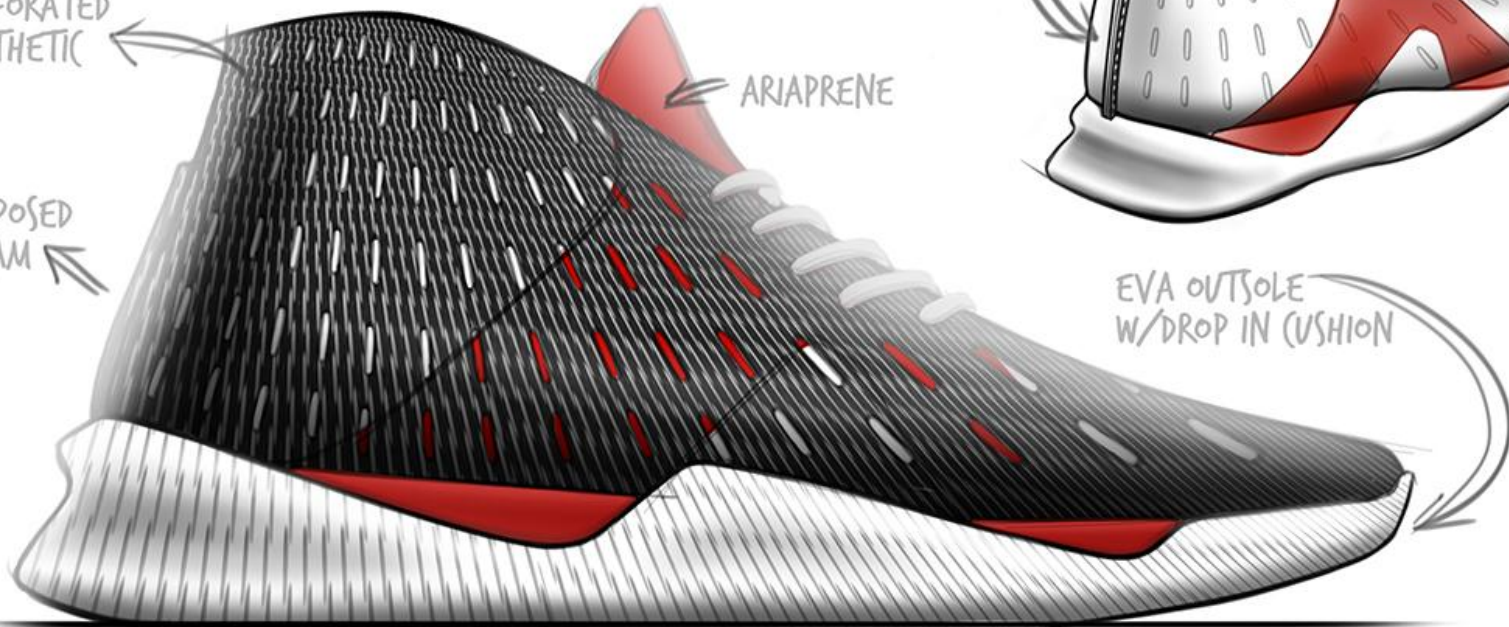


PERFORATED  
SYNTHETIC

ARIAPRENE

EXPOSED  
SEAM

EVA OUTSOLE  
W/DROP IN CUSHION



3D Printed Results



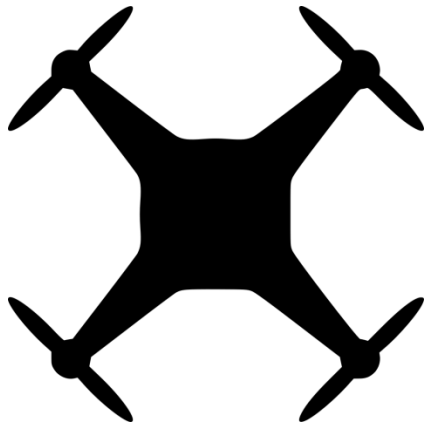




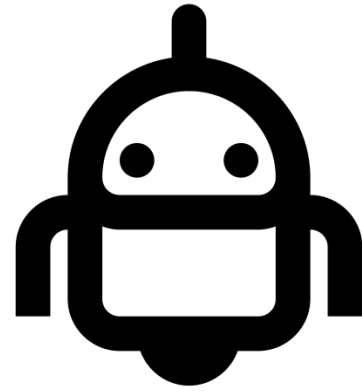
**ROBOTIC**

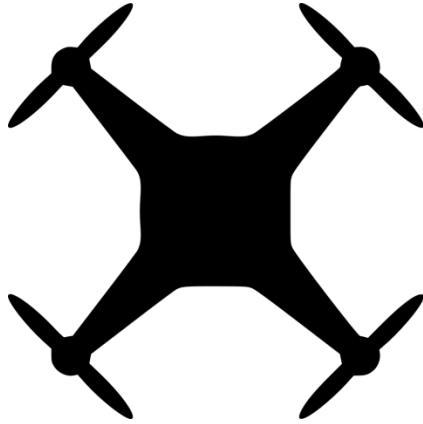






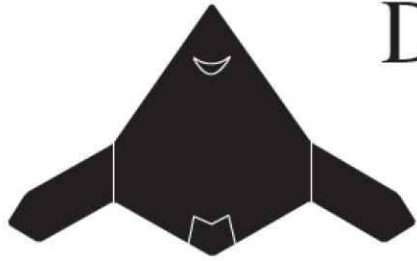
OR





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# DRONE SURVIVAL GUIDE



**X47C**   
Military surveillance / Attack  
USA



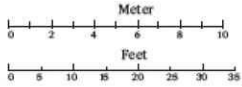
**Sentinel**   
Military surveillance  
USA



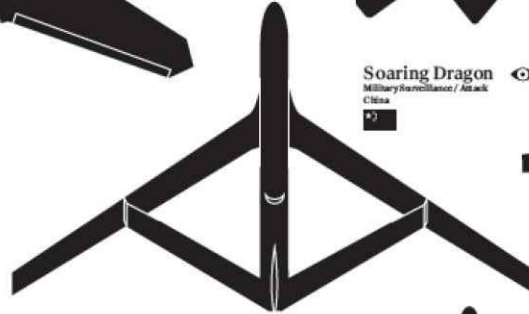
**nEUROn**   
Military surveillance / Attack  
France



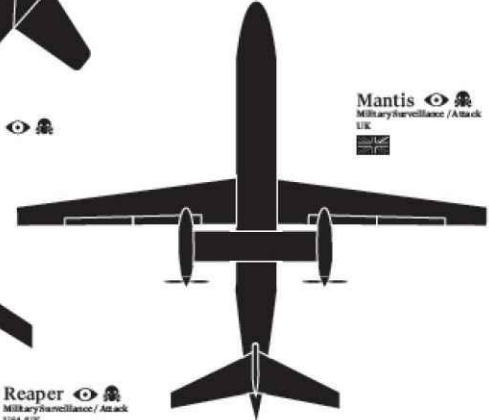
**X45C**   
Military surveillance / Attack  
USA



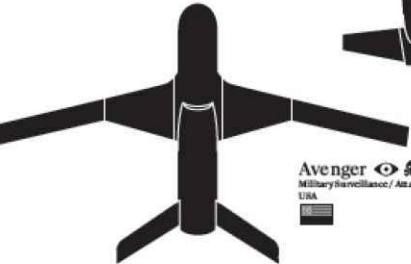
**Global Hawk**   
Military surveillance  
USA



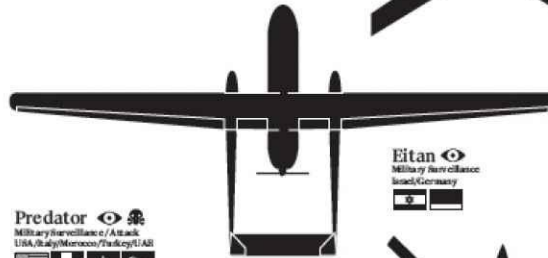
**Soaring Dragon**   
Military surveillance / Attack  
China



**Mantis**   
Military surveillance / Attack  
UK



**Avenger**   
Military surveillance / Attack  
USA



**Eitan**   
Military surveillance  
Israel, Germany



**Reaper**   
Military surveillance / Attack  
USA, UK



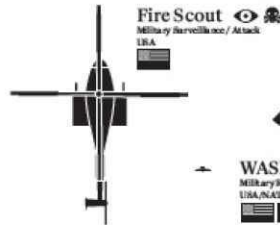
**Barracuda**   
Military surveillance  
France, Germany



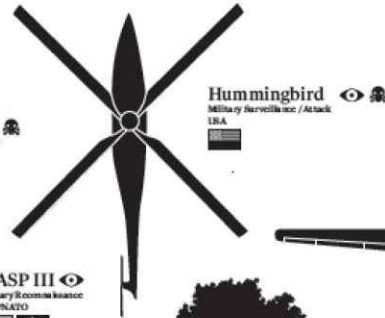
**Herti**   
Surveillance  
UK



**Predator**   
Military surveillance / Attack  
USA, Italy, Morocco, Turkey, UAE



**Fire Scout**   
Military surveillance / Attack  
USA



**Hummingbird**   
Military surveillance / Attack  
USA



**Shadow**   
Military surveillance  
USA / NATO



**Rustom I**   
Military surveillance  
India



**Heron**   
Military surveillance  
Israel, India, Germany, Turkey



**Hermes**   
Military surveillance  
Israel



**Scan Eagle**   
Military surveillance  
USA / NATO



**Harpy**   
Military Attack  
Israel



**Killer Bee**   
Surveillance  
USA



**Raven**   
Military Reconnaissance  
USA / NATO



**Air robot**   
Domestic surveillance  
UK

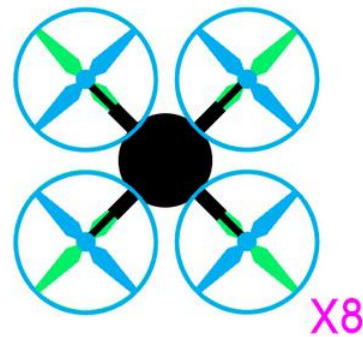
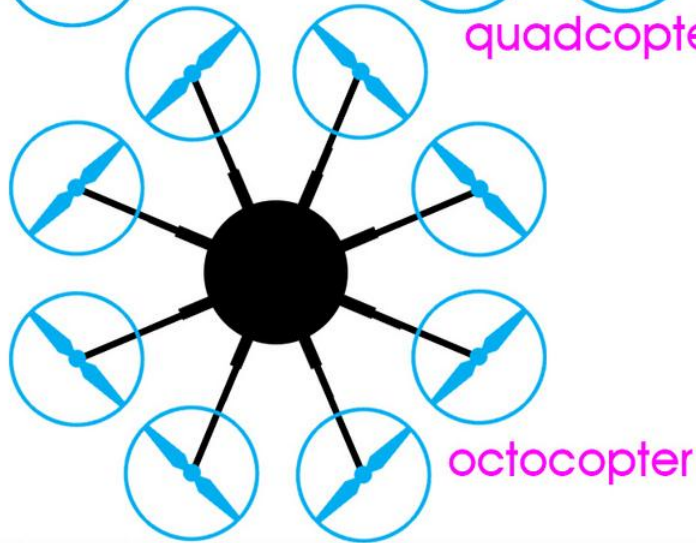
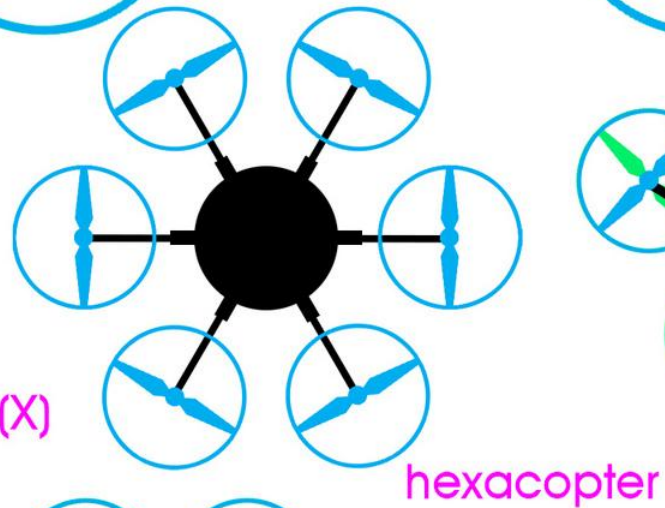
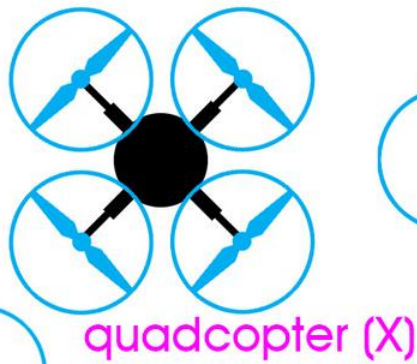
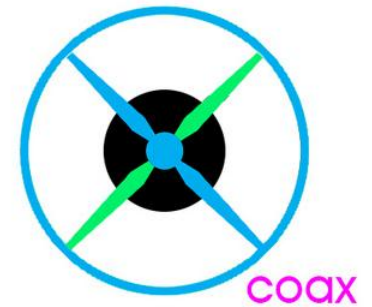
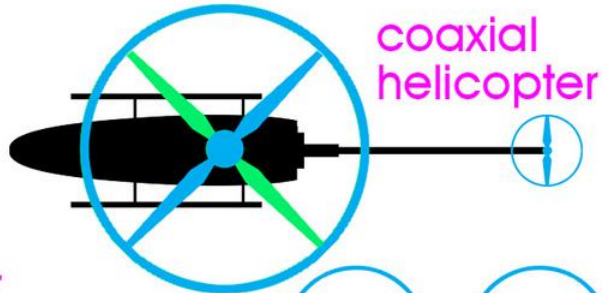
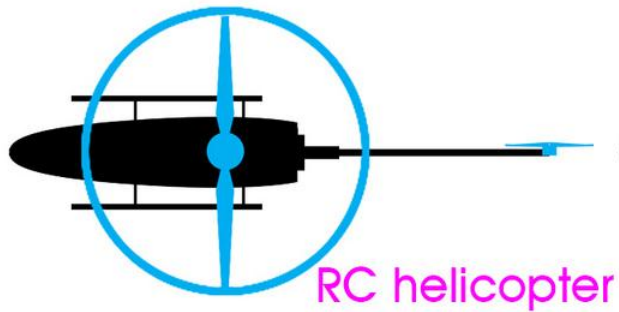


**Aeryon Scout**   
Domestic surveillance  
Canada



**AR Parrot**   
Consumer photography  
USA

# Drone Typology

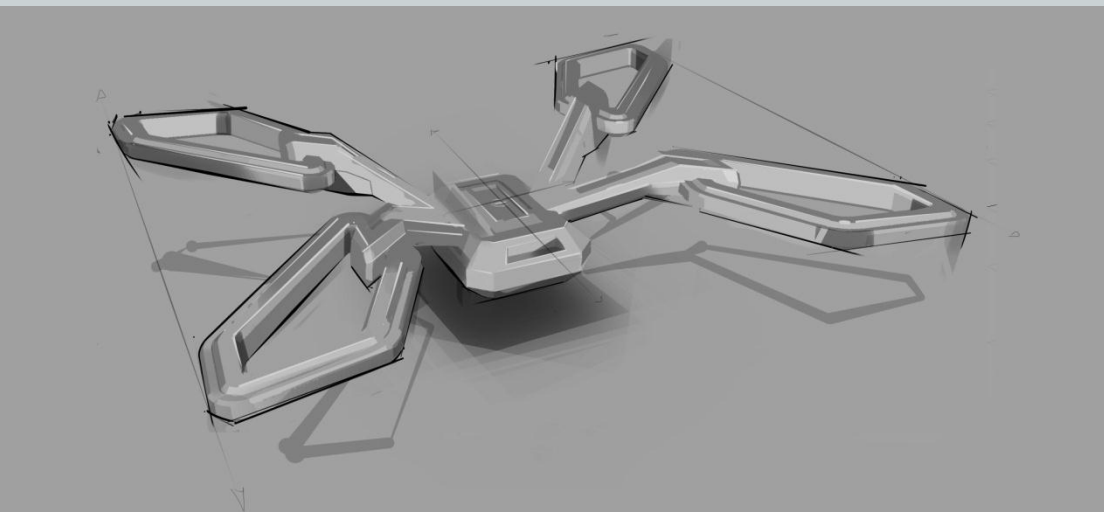
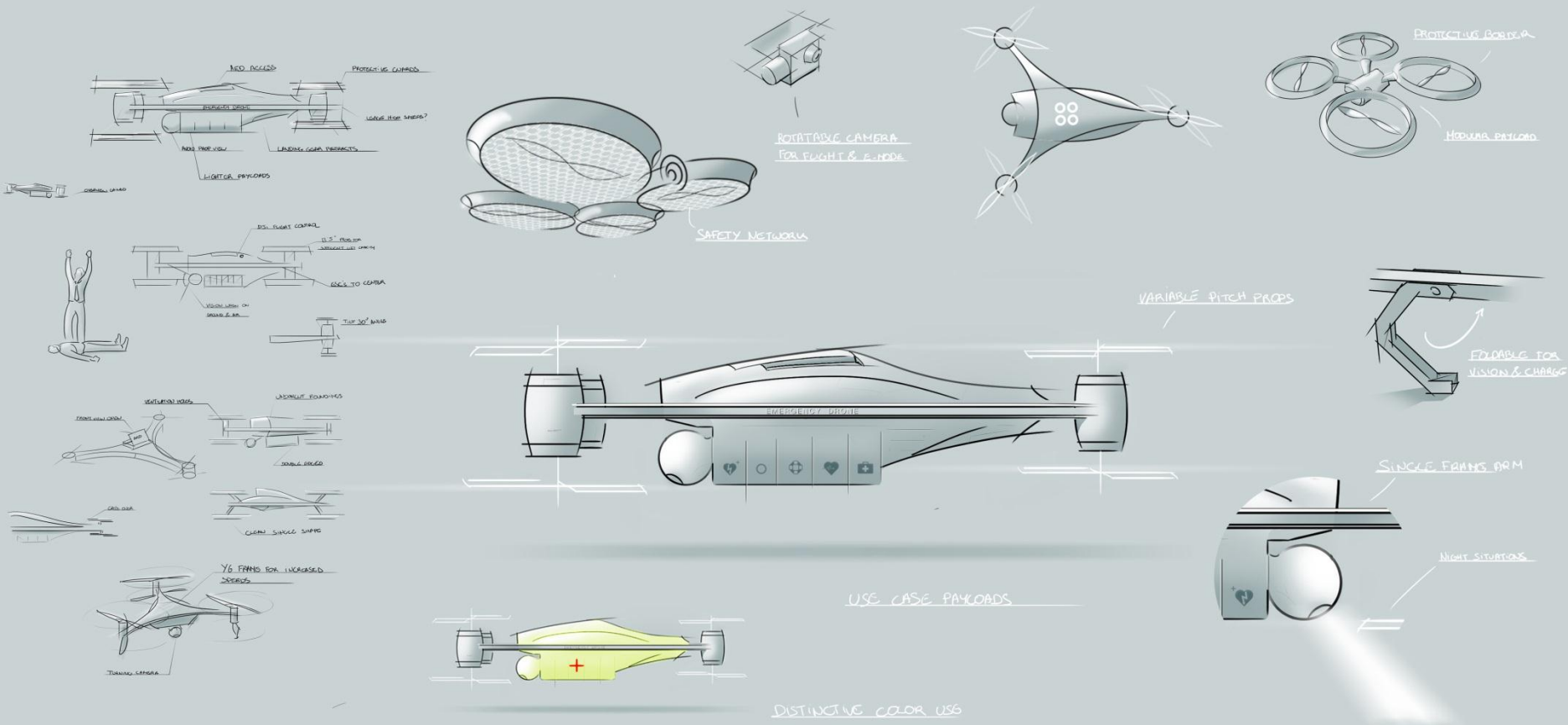


For multicopter with single forward motor, replace initial with "plus" (+) or "l"



Ini merupakan jenis-jenis drone yang telah dibuat. Bisa mengambil dari salah satu jenis drone ini atau bisa bersifat kawin silang dalam hal penggabungan. Desain selalu dapat digabungkan dari hasil referensi.





Drone Sketch & Design



# navit

- Rental Navigation Robot in Commercial Facility -





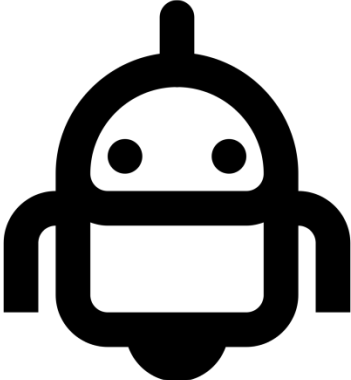


HOVER  
CAMERA



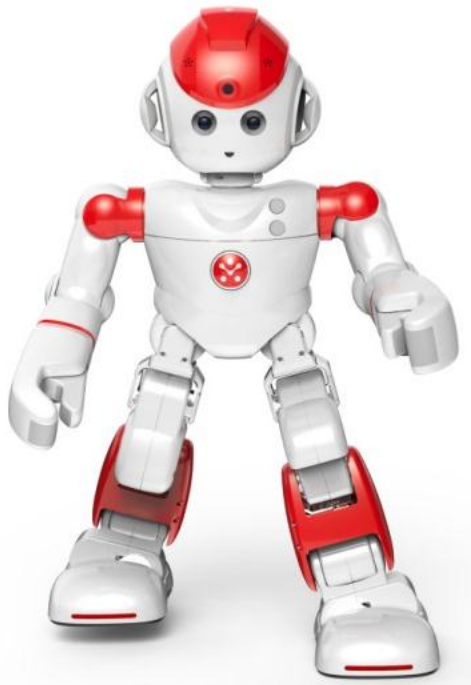








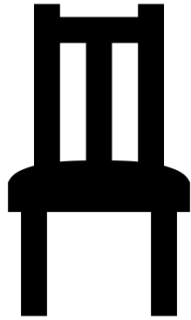
Pembuatan *Robotic Design* adalah mengandalkan design 3D dengan mesin 3D Printing. Untuk penggerakannya, banyak yang mengadopsi dari dinamo, lego, mainan, dll.





FURNITURE

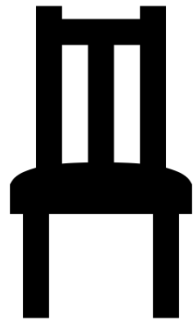




OR







## Chair Design





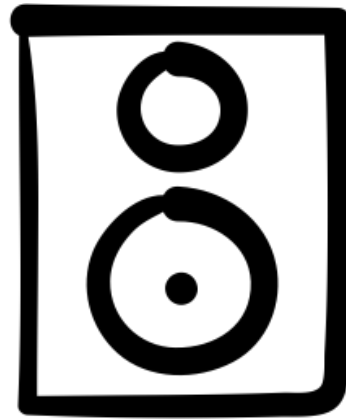


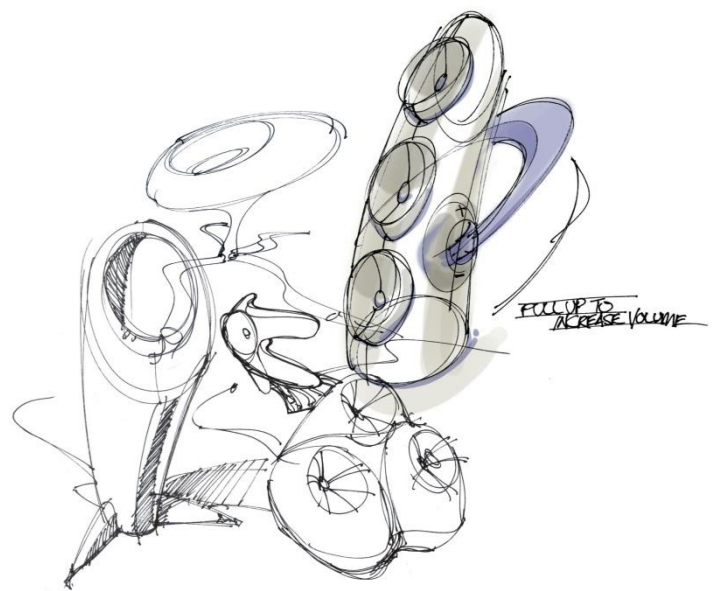
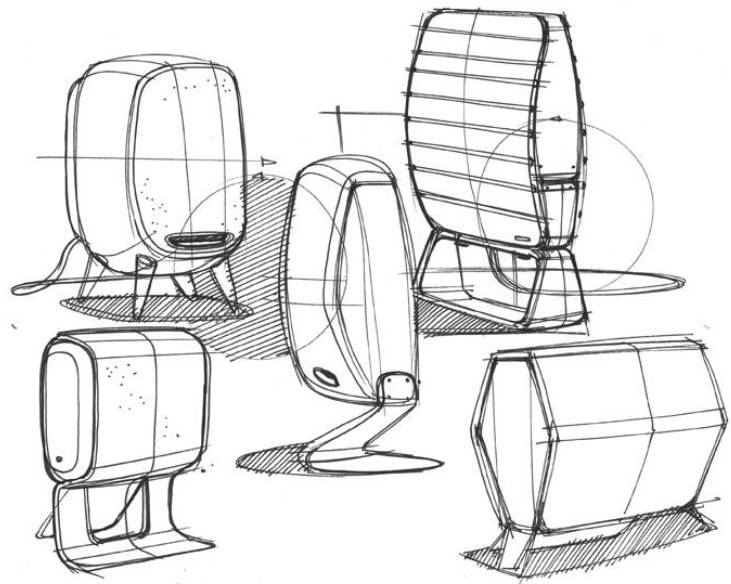
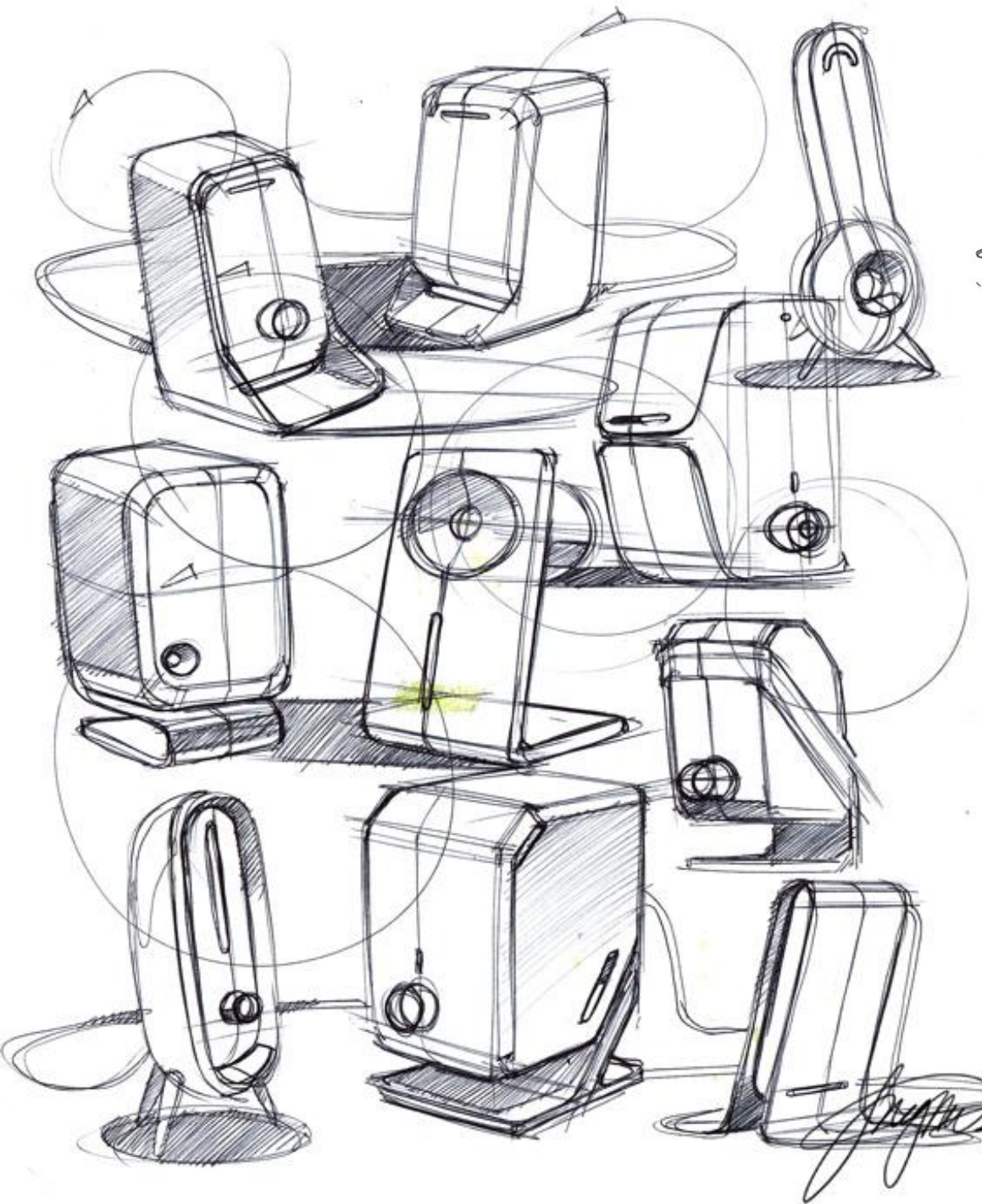


A close-up, black and white photograph of a car speaker. The speaker features a circular tweeter in the center, surrounded by a larger circular grille. The entire speaker is set within a larger, rectangular grille. The perforations on the grilles are arranged in a grid pattern. The lighting creates a strong contrast, highlighting the texture of the metal or plastic grilles.

**ELECTRONIC**



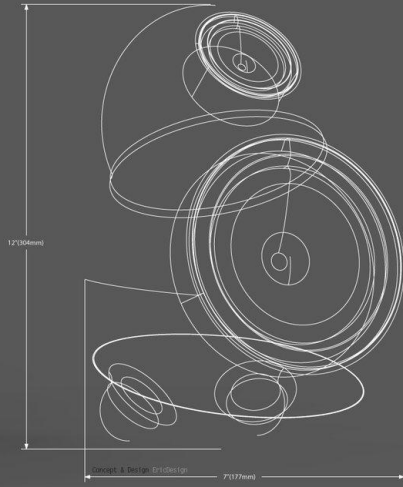


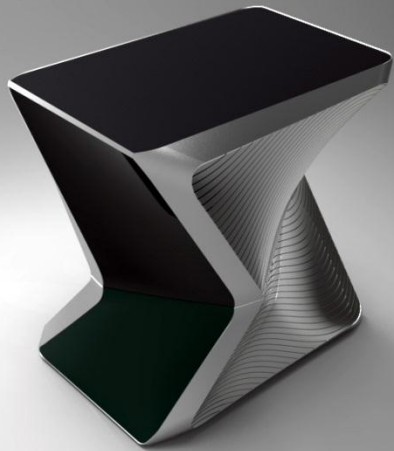






00's  
00's









# JEWELRY





*Crazy Feng*





# HOME APPLIANCES

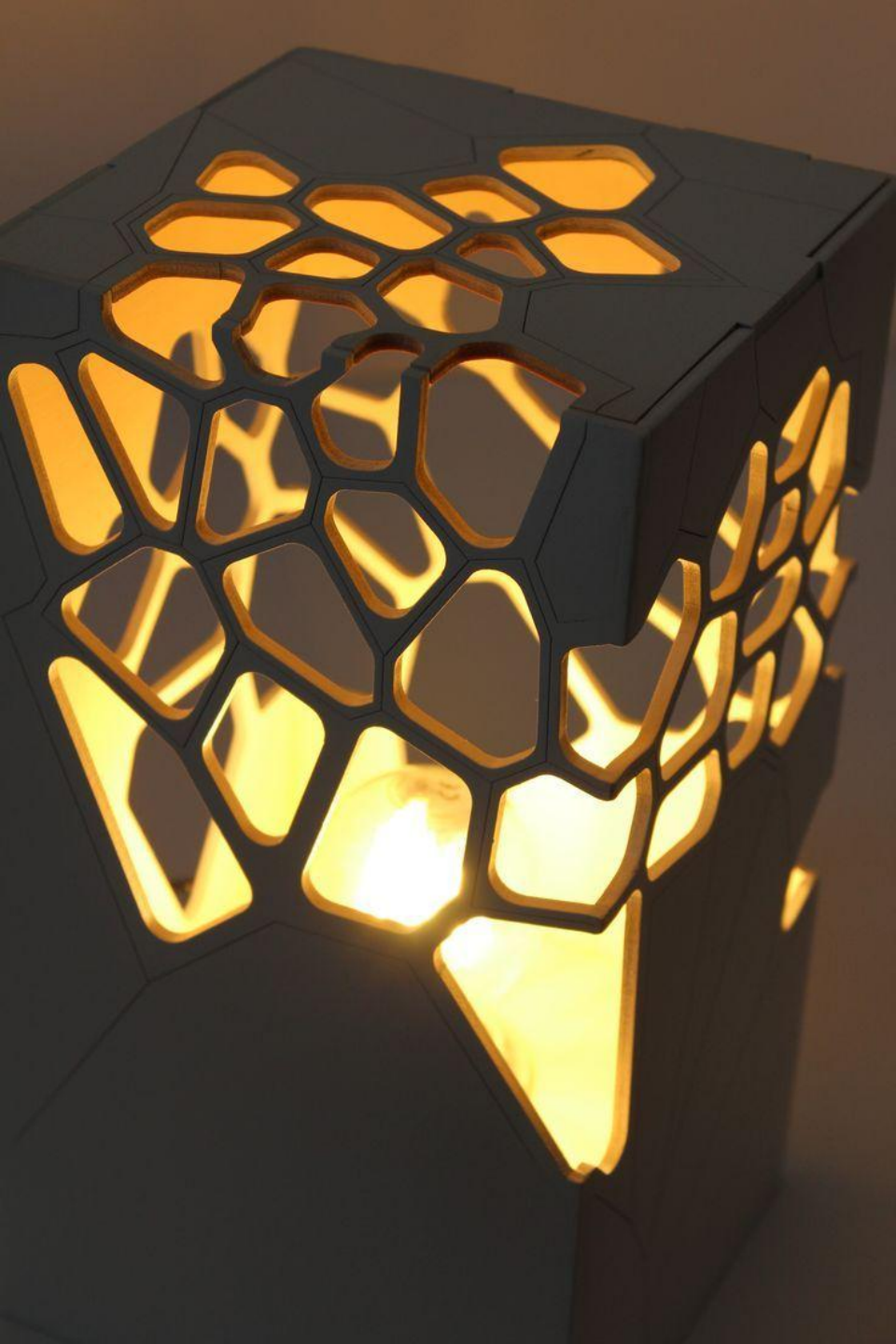




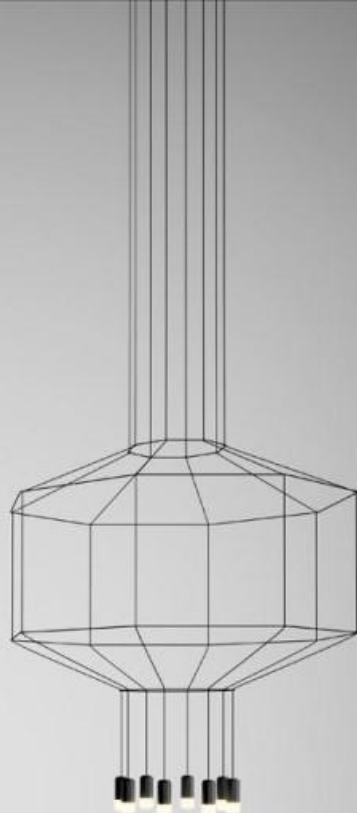
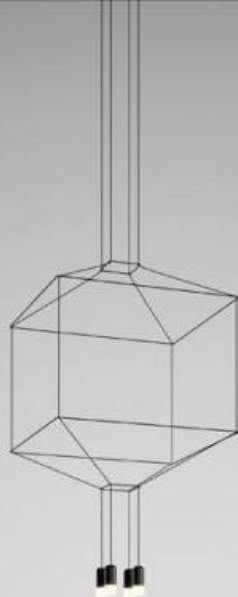
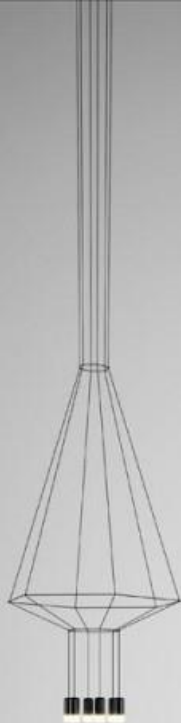








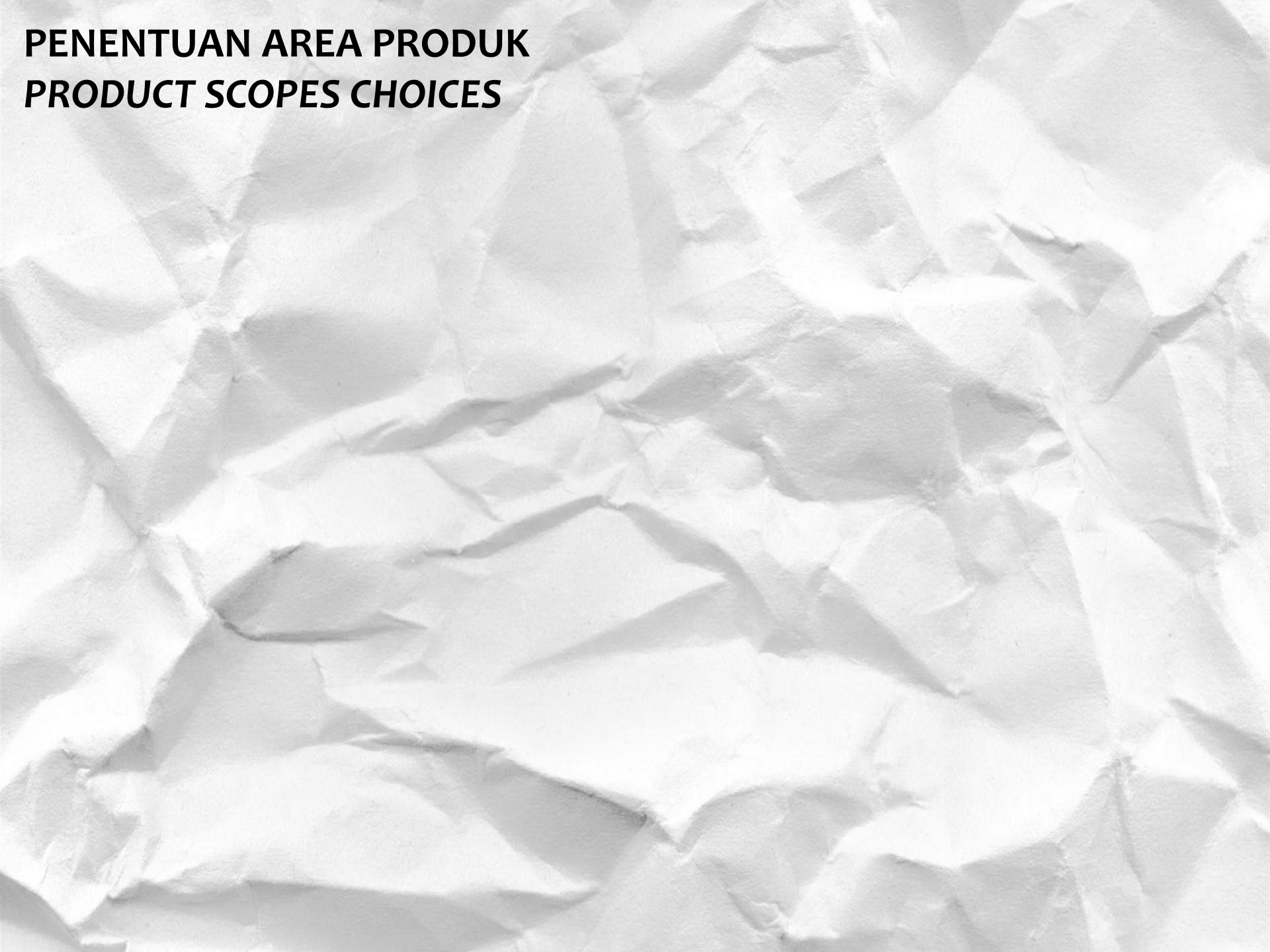








**PENENTUAN AREA PRODUK**  
**PRODUCT SCOPES CHOICES**



A teal background with a central illustration of four hands holding various tools: a lightbulb, a magnifying glass, a pencil, and a ruler. The text is overlaid on this illustration.

**PENJELASAN AREA PRODUK**  
***PRODUCT SCOPES EXPLANATION***

**PENENTUAN AREA PRODUK**  
***PRODUCT SCOPES CHOICES***

**PENGUMPULAN PEMILIHAN AREA PRODUK**  
***COLLECTION OF PRODUCT SCOPES SELECTION***