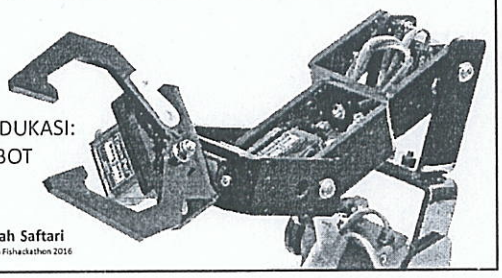
Robot Production Process

SAFT ROBOTICS



ROBOT EDUKASI:
ARM ROBOT

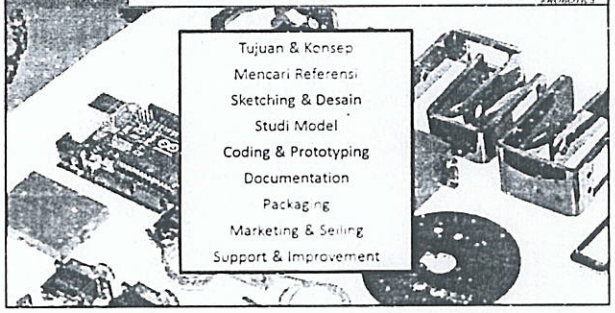
By Firmansyah Saftari
23 April 2016 – Jakarta Fishackathon 2016

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Robot Production Process

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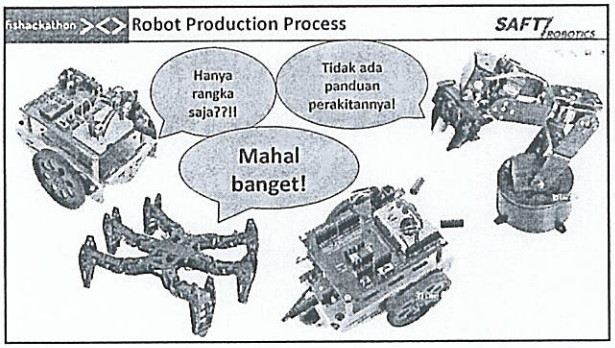
- Tujuan & Konsep
- Mencari Referensi
- Sketching & Desain
- Studi Model
- Coding & Prototyping
- Documentation
- Packaging
- Marketing & Selling
- Support & Improvement

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Robot Production Process

SAFT ROBOTICS



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Objective

1. Membuat produk robot edukasi dengan harga terjangkau
2. Membuat beberapa model robot edukasi sebagai alternatif produk
3. Menyediakan fungsi-fungsi yang dapat diupgrade atau dikembangkan



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Tujuan & Konsep


Sekolah/Univ.


Klub Robotik


Robotic Store

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Strategi

Marketing Strategy

Fokus pada Diferensiasi produk. Memanfaatkan social-media dengan optimal.

Pricing Strategy

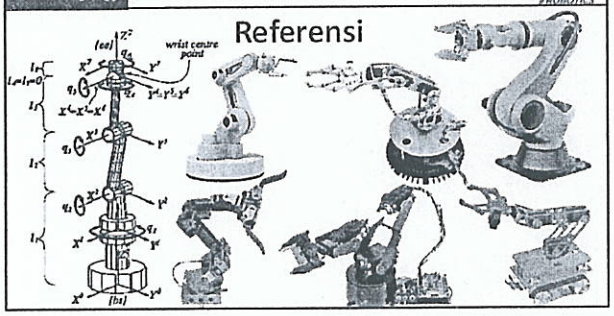
Harga produk lebih murah dan terjangkau ketimbang produk impor sejenis.

Promotion Strategy

promo di page facebook. kerjasama promosi dengan blog robotik, tekno dan Makers Community.

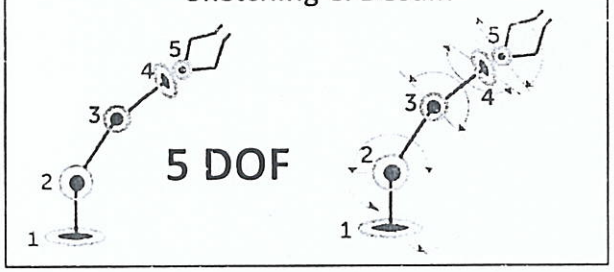
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Referensi

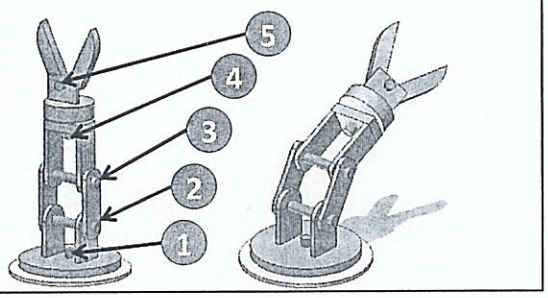


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Sketching & Desain

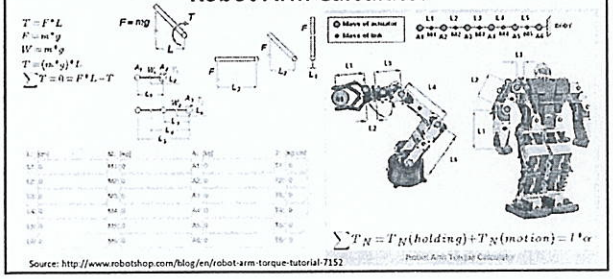


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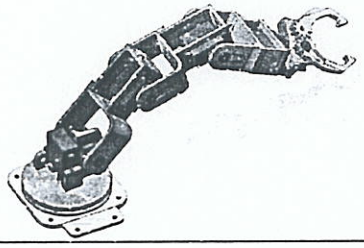
Robot Arm Calculator



Source: http://www.robotshop.com/blog/en/robot-arm-torque-tutorial-7152

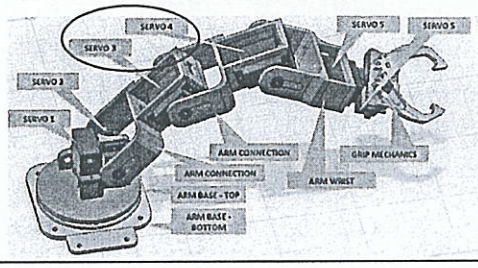
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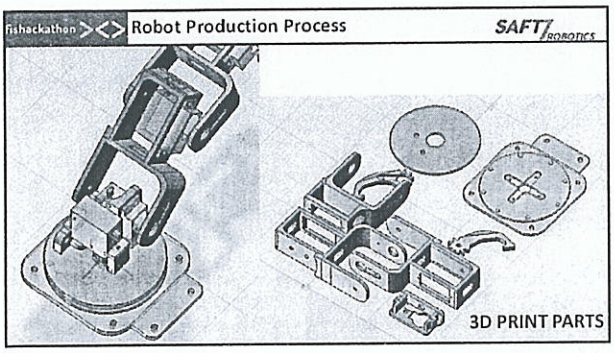
Studi Model

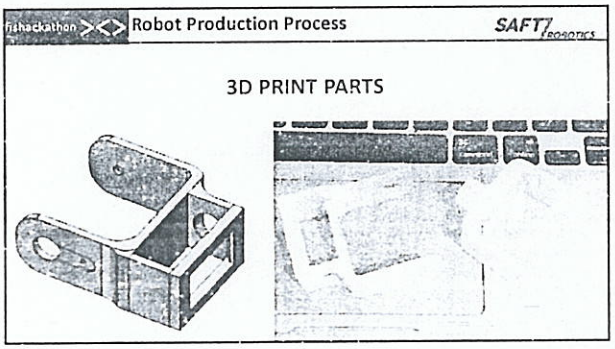


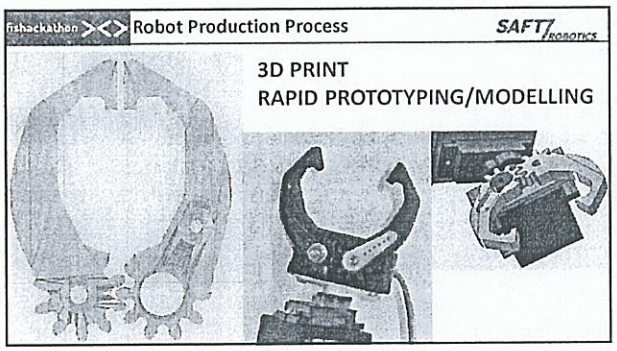
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ARM ROBOT ANATOMY



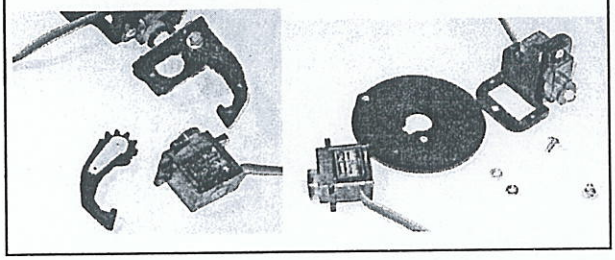

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Robot Production Process
SAFTI ROBOTICS
3D PRINT PARTS


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Robot Production Process
SAFTI ROBOTICS
3D PRINT PARTS


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Robot Production Process
SAFTI ROBOTICS
3D PRINT
RAPID PROTOTYPING/MODELLING

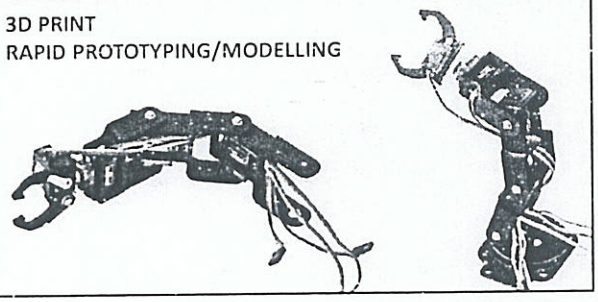
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3D PRINT - RAPID PROTOTYPING/MODELLING



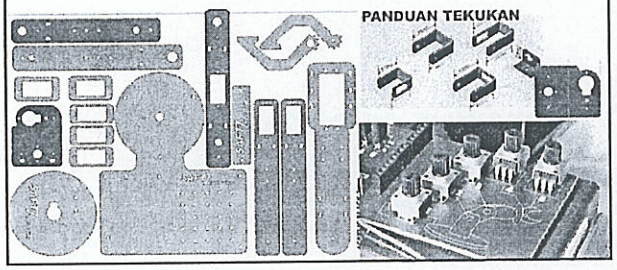
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3D PRINT
RAPID PROTOTYPING/MODELLING

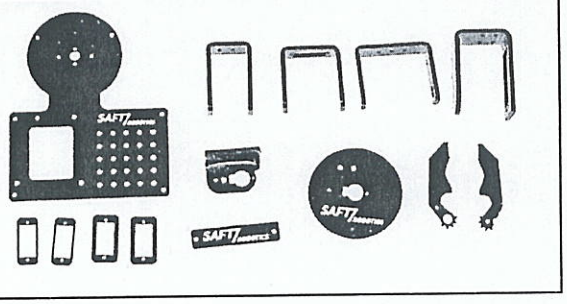


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Production

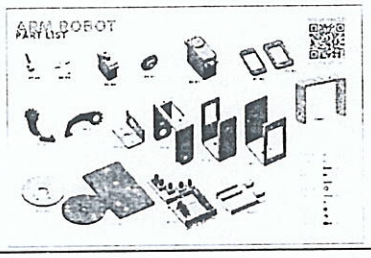


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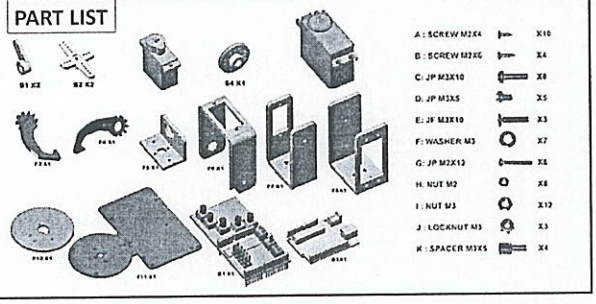
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Documentation: User Manual



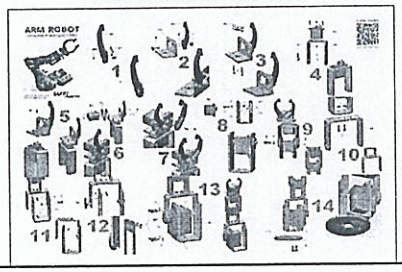
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PART LIST

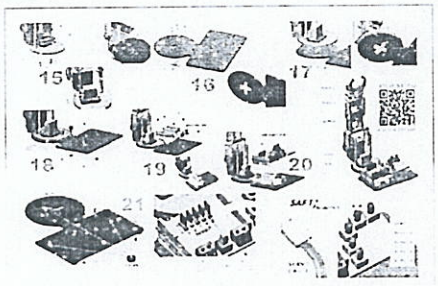


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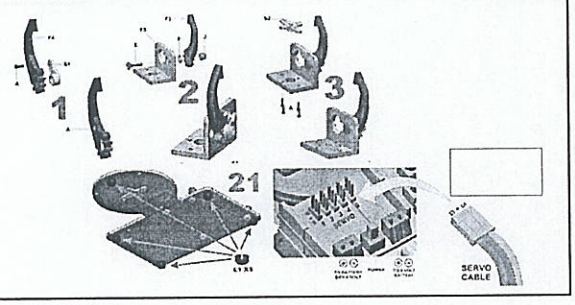
Documentation



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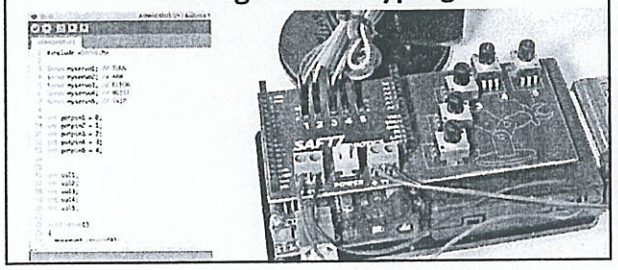


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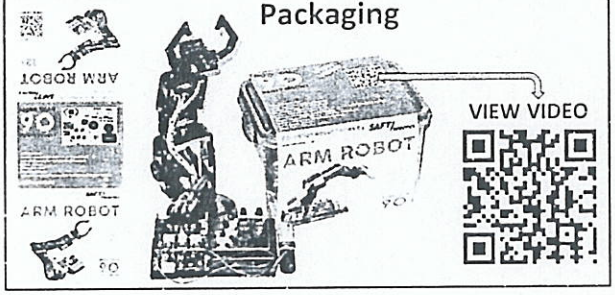
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Coding & Prototyping

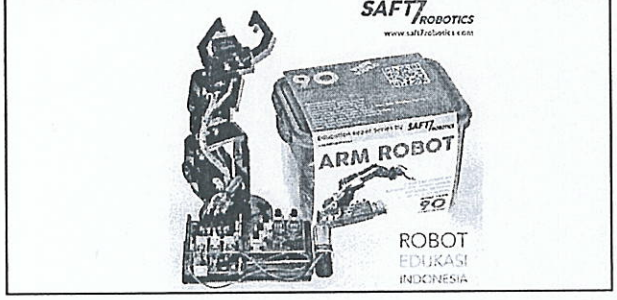


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Packaging



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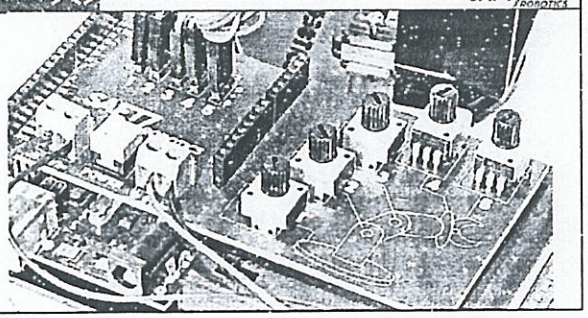


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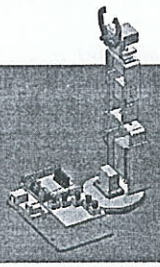
ARM ROBOT KIT SAFT ROBOTICS



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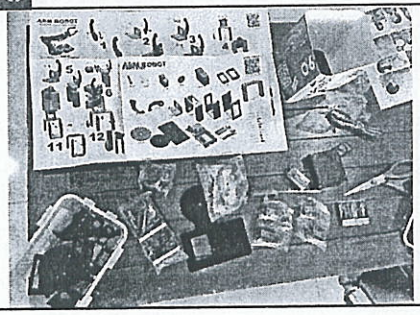
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SPESIFIKASI

Micro Processor : ARDUINO UNO R3
Control Shield : 5 Potentiometers
Mechanics : 5 DOF Arm Robotic
Servos : Metal Gear Micro Servo x 4, Metal Gear Standard Servo x 1
Mechanics Material : Acrylic Plastic
Power Source : 9V Battery & AA-Size Battery x 4
Wheight : 470 grams included batteries
Arm Length : 200mm
Base Size : 150mm x 130mm

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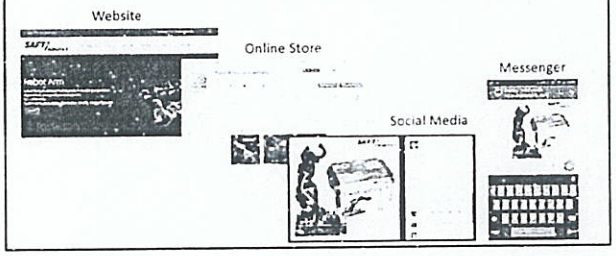
Marketing & Selling

Website

Online Store

Messenger

Social Media



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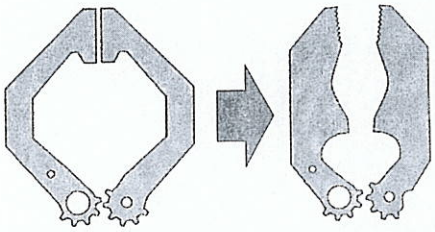
Support & Improvement

DOWNLOAD

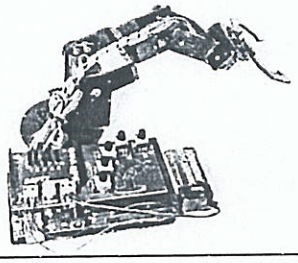


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Support & Improvement



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Thank You

F. Saftari – 0818756579
www.saft7robotics.com